

Merseyside & Halton Waste Partnership

Kerbside Household Waste Composition Analysis

Waste Analysis Results Tables

September 2010



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Document Revisions

No.	Details	Date
1	Draft Appendices	July 2010
2	Final Appendices	Sept 2010




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Doc Reg No. 25843

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Certificate No. EMS 69090

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Appendix A Knowsley Tables



Appendix A

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Appendix A

Knowsley Residual Waste, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.05	0.13	0.12	0.65	0.39	0.60%	1.34%	1.13%	4.07%	3.02%	
	Magazines	0.06	0.03	0.23	0.43	0.25	0.72%	0.28%	2.15%	2.66%	1.97%	
	Other recyclable paper	0.28	0.34	0.32	0.23	0.28	3.33%	3.64%	2.96%	1.45%	2.17%	
	Paper packaging	0.01	0.00	0.06	0.03	0.02	0.10%	0.00%	0.58%	0.17%	0.16%	
	Non-recyclable paper	0.48	0.44	0.47	0.72	0.59	5.66%	4.71%	4.30%	4.46%	4.57%	
Paper	Sub-total	0.89	0.93	1.21	2.05	1.52	10.41%	9.97%	11.12%	12.80%	11.90%	
Card	Liquid cartons	0.02	0.04	0.02	0.02	0.02	0.22%	0.43%	0.20%	0.10%	0.19%	
	Board packaging	0.18	0.27	0.07	0.19	0.20	2.11%	2.95%	0.61%	1.20%	1.59%	
	Card packaging	0.23	0.30	0.28	0.70	0.50	2.72%	3.22%	2.62%	4.37%	3.87%	
	Other card	0.08	0.01	0.01	0.03	0.03	0.94%	0.10%	0.11%	0.22%	0.22%	
Card	Sub-total	0.51	0.62	0.38	0.94	0.75	6.00%	6.70%	3.54%	5.89%	5.88%	
Dense Plastic	Plastic Bottles:	PET	0.08	0.06	0.08	0.28	0.18	0.91%	0.60%	0.76%	1.76%	1.37%
		PET Coloured	0.02	0.11	0.02	0.11	0.09	0.25%	1.15%	0.20%	0.66%	0.70%
		HDPE	0.04	0.05	0.01	0.15	0.10	0.50%	0.51%	0.13%	0.96%	0.77%
		HDPE Coloured	0.02	0.04	0.03	0.04	0.04	0.28%	0.43%	0.28%	0.27%	0.31%
		Other	0.01	0.00	0.01	0.05	0.03	0.11%	0.00%	0.06%	0.30%	0.20%
	Other packaging	0.44	0.36	0.39	0.44	0.41	5.18%	3.89%	3.56%	2.72%	3.19%	
Other dense plastic	0.25	0.46	0.17	0.44	0.41	2.89%	4.99%	1.59%	2.76%	3.17%		
Dense Plastic	Sub-total	0.86	1.08	0.71	1.51	1.24	10.12%	11.57%	6.57%	9.43%	9.71%	
Plastic Film	Packaging film	0.27	0.24	0.34	0.66	0.46	3.16%	2.58%	3.12%	4.10%	3.62%	
	Other plastic film	0.28	0.41	0.45	0.45	0.42	3.22%	4.39%	4.11%	2.80%	3.29%	
Plastic Film	Sub-total	0.55	0.65	0.78	1.11	0.89	6.39%	6.97%	7.23%	6.90%	6.91%	
Textiles	Textiles	0.18	0.13	0.62	0.23	0.23	2.05%	1.35%	5.73%	1.42%	1.80%	
	Shoes	0.00	0.16	0.02	0.02	0.06	0.00%	1.69%	0.14%	0.13%	0.47%	
Textiles	Sub-total	0.18	0.28	0.64	0.25	0.29	2.05%	3.04%	5.87%	1.56%	2.27%	
Miscellaneous Combustibles	Treated wood	0.02	0.29	0.18	0.12	0.17	0.22%	3.15%	1.63%	0.74%	1.32%	
	Untreated wood	0.00	0.01	0.00	0.02	0.01	0.00%	0.14%	0.00%	0.11%	0.10%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.57	0.94	0.85	1.52	1.20	6.63%	10.10%	7.86%	9.49%	9.33%	
	Other misc. comb.	0.11	0.09	0.03	0.08	0.08	1.27%	0.94%	0.29%	0.47%	0.61%	
	Carpet and underlay	0.15	0.00	0.21	0.12	0.09	1.79%	0.00%	1.94%	0.73%	0.73%	
Miscellaneous Combustibles	Sub-total	0.85	1.33	1.27	1.85	1.55	9.91%	14.34%	11.71%	11.55%	12.09%	
Glass	Glass bottles	0.12	0.32	0.20	0.97	0.62	1.45%	3.44%	1.80%	6.03%	4.84%	
	Glass jars	0.11	0.07	0.23	0.38	0.25	1.24%	0.76%	2.09%	2.39%	1.93%	
	Other glass	0.09	0.00	0.03	0.00	0.01	1.06%	0.00%	0.25%	0.00%	0.08%	
Glass	Sub-total	0.32	0.39	0.45	1.35	0.88	3.76%	4.20%	4.14%	8.41%	6.85%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.10	0.38	0.00	0.07	0.00%	1.11%	3.54%	0.00%	0.54%	
	Other misc.non.comb	0.28	0.01	0.14	0.02	0.05	3.32%	0.14%	1.30%	0.15%	0.42%	
Miscellaneous Non-combustibles	Sub-total	0.28	0.12	0.52	0.02	0.12	3.32%	1.26%	4.84%	0.15%	0.96%	
Ferrous Metal	Ferrous food cans	0.14	0.09	0.25	0.48	0.31	1.66%	0.93%	2.32%	2.96%	2.38%	
	Ferrous beverage cans	0.07	0.04	0.01	0.10	0.07	0.88%	0.44%	0.05%	0.65%	0.56%	
	Ferrous aerosols	0.02	0.03	0.02	0.03	0.03	0.23%	0.36%	0.22%	0.21%	0.25%	
	Other ferrous metal	0.07	0.28	0.11	0.00	0.10	0.82%	2.96%	0.99%	0.00%	0.79%	
Ferrous Metal	Sub-total	0.31	0.44	0.39	0.61	0.51	3.58%	4.69%	3.58%	3.82%	3.98%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.01	0.00	0.02	0.01	0.09%	0.06%	0.03%	0.10%	0.08%	
	Non-ferrous beverage cans	0.12	0.07	0.05	0.12	0.10	1.39%	0.80%	0.43%	0.74%	0.76%	
	Non-ferrous aerosols	0.01	0.02	0.01	0.04	0.03	0.07%	0.22%	0.11%	0.22%	0.20%	
	Other non-ferrous metal	0.07	0.06	0.06	0.10	0.08	0.82%	0.63%	0.52%	0.65%	0.64%	
Non-ferrous Metal	Sub-total	0.20	0.16	0.12	0.27	0.22	2.36%	1.71%	1.09%	1.71%	1.69%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.23	0.00	0.00	0.00	0.02	2.67%	0.00%	0.00%	0.00%	0.15%	
	IT & Telecoms Equip.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.11%	0.00%	0.01%	
	Consumer Equip.	0.15	0.35	0.00	0.00	0.12	1.74%	3.77%	0.00%	0.00%	0.94%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.04	0.00	0.04	0.04	0.03	0.49%	0.00%	0.39%	0.25%	0.22%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.06	0.00	0.03	0.00	0.01	0.64%	0.00%	0.30%	0.00%	0.06%	
WEEE	Sub-total	0.47	0.35	0.09	0.04	0.18	5.54%	3.77%	0.79%	0.25%	1.39%	
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.10%	0.07%	0.10%	0.02%	0.04%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.04	0.03	0.17%	0.08%	0.12%	0.25%	0.20%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.06	0.05	0.03	0.00	0.02	0.64%	0.49%	0.27%	0.00%	0.17%	
Hazardous	Sub-total	0.08	0.06	0.05	0.04	0.05	0.92%	0.64%	0.49%	0.27%	0.41%	
Organic Catering	Home Compostable food	1.12	1.36	0.78	2.08	1.65	13.08%	14.60%	7.15%	12.97%	12.85%	
	Unused home compostable food	0.24	0.13	0.60	0.49	0.37	2.83%	1.36%	5.53%	3.08%	2.88%	
	Non-home compostable food	0.69	0.73	0.64	2.33	1.53	8.12%	7.84%	5.94%	14.55%	11.97%	
	Unused non-home compostable food	0.35	0.30	0.59	0.53	0.45	4.08%	3.22%	5.44%	3.28%	3.49%	
Organic Catering	Sub-total	2.40	2.52	2.61	5.43	4.00	28.11%	27.02%	24.06%	33.88%	31.20%	
Organic Non-catering	Garden	0.21	0.00	0.46	0.01	0.07	2.46%	0.00%	4.26%	0.04%	0.52%	
	Soil	0.04	0.00	0.00	0.00	0.00	0.44%	0.00%	0.00%	0.00%	0.03%	
	Other organic	0.15	0.00	0.63	0.03	0.09	1.75%	0.00%	5.85%	0.20%	0.71%	
Organic Non-catering	Sub-total	0.40	0.00	1.10	0.04	0.16	4.64%	0.00%	10.12%	0.24%	1.26%	
Fines	Material less than 10mm	0.25	0.38	0.53	0.50	0.45	2.90%	4.13%	4.85%	3.14%	3.49%	
Fines	Sub-total	0.25	0.38	0.53	0.50	0.45	2.90%	4.13%	4.85%	3.14%	3.49%	
TOTAL		8.54	9.31	10.84	16.03	12.81	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Residual Waste, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.10	0.32	0.25	1.16	0.72	1.20%	3.13%	2.98%	9.23%	6.52%	
	Magazines	0.05	0.12	0.63	0.28	0.24	0.58%	1.14%	7.49%	2.24%	2.22%	
	Other recyclable paper	0.12	0.11	0.22	0.35	0.24	1.43%	1.10%	2.61%	2.80%	2.22%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.58	0.62	0.51	0.28	0.43	6.97%	6.11%	5.99%	2.23%	3.91%	
Paper	Sub-total	0.84	1.16	1.61	2.07	1.64	10.19%	11.48%	19.07%	16.50%	14.87%	
Card	Liquid cartons	0.03	0.02	0.02	0.01	0.02	0.37%	0.24%	0.18%	0.07%	0.15%	
	Board packaging	0.13	0.01	0.26	0.39	0.24	1.52%	0.07%	3.06%	3.09%	2.14%	
	Card packaging	0.32	0.40	0.31	0.47	0.42	3.84%	3.95%	3.66%	3.73%	3.79%	
	Other card	0.00	0.03	0.00	0.04	0.03	0.00%	0.28%	0.00%	0.34%	0.28%	
Card	Sub-total	0.47	0.46	0.58	0.91	0.70	5.73%	4.54%	6.90%	7.24%	6.36%	
Dense Plastic	Plastic Bottles:	PET	0.08	0.07	0.08	0.14	0.11	0.99%	0.66%	0.94%	1.14%	0.98%
		PET Coloured	0.00	0.02	0.02	0.04	0.03	0.04%	0.21%	0.26%	0.33%	0.27%
		HDPE	0.02	0.03	0.04	0.16	0.10	0.29%	0.30%	0.42%	1.26%	0.86%
		HDPE Coloured	0.04	0.05	0.03	0.05	0.05	0.54%	0.48%	0.32%	0.38%	0.41%
		Other	0.03	0.00	0.02	0.01	0.01	0.40%	0.03%	0.18%	0.05%	0.08%
	Other packaging	0.28	0.31	0.21	0.33	0.31	3.38%	3.07%	2.52%	2.64%	2.80%	
Other dense plastic	0.43	0.39	0.12	0.16	0.25	5.23%	3.88%	1.47%	1.29%	2.29%		
Dense Plastic	Sub-total	0.90	0.88	0.52	0.89	0.85	10.67%	8.64%	6.11%	7.07%	7.69%	
Plastic Film	Packaging film	0.25	0.37	0.29	0.44	0.38	2.99%	3.64%	3.40%	3.54%	3.52%	
	Other plastic film	0.27	0.46	0.16	0.40	0.38	3.26%	4.54%	1.93%	3.20%	3.49%	
Plastic Film	Sub-total	0.52	0.83	0.45	0.84	0.77	6.25%	8.18%	5.33%	6.74%	7.01%	
Textiles	Textiles	0.22	0.77	0.25	0.30	0.43	2.63%	7.62%	2.97%	2.36%	3.91%	
	Shoes	0.13	0.14	0.00	0.04	0.08	1.61%	1.33%	0.00%	0.36%	0.68%	
Textiles	Sub-total	0.35	0.91	0.25	0.34	0.51	4.24%	8.95%	2.97%	2.71%	4.59%	
Miscellaneous Combustibles	Treated wood	0.02	0.01	0.01	0.07	0.04	0.23%	0.12%	0.11%	0.52%	0.36%	
	Untreated wood	0.00	0.00	0.01	0.03	0.02	0.00%	0.00%	0.10%	0.23%	0.14%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.07	0.63	0.15	1.02	0.73	0.84%	6.19%	1.72%	8.18%	6.66%	
	Other misc. comb.	0.05	0.02	0.01	0.08	0.05	0.66%	0.16%	0.10%	0.61%	0.45%	
	Carpet and underlay	0.02	0.00	0.03	0.00	0.00	0.19%	0.00%	0.39%	0.00%	0.04%	
Miscellaneous Combustibles	Sub-total	0.16	0.66	0.20	1.19	0.84	1.92%	6.47%	2.40%	9.53%	7.64%	
Glass	Glass bottles	0.28	0.05	0.74	0.23	0.23	3.44%	0.53%	8.72%	1.85%	2.10%	
	Glass jars	0.09	0.11	0.10	0.22	0.16	1.06%	1.06%	1.19%	1.74%	1.47%	
	Other glass	0.06	0.01	0.00	0.06	0.04	0.73%	0.08%	0.00%	0.45%	0.33%	
Glass	Sub-total	0.43	0.17	0.84	0.51	0.43	5.23%	1.68%	9.91%	4.05%	3.90%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.05	0.00	0.04	0.04	0.00%	0.46%	0.00%	0.34%	0.33%	
	Other misc.non.comb	0.24	0.57	0.05	0.13	0.27	2.86%	5.59%	0.54%	1.05%	2.41%	
Miscellaneous Non-combustibles	Sub-total	0.24	0.61	0.05	0.17	0.30	2.86%	6.05%	0.54%	1.39%	2.74%	
Ferrous Metal	Ferrous food cans	0.12	0.05	0.19	0.27	0.18	1.45%	0.52%	2.27%	2.16%	1.66%	
	Ferrous beverage cans	0.02	0.01	0.14	0.07	0.06	0.24%	0.12%	1.70%	0.57%	0.51%	
	Ferrous aerosols	0.03	0.04	0.00	0.01	0.02	0.35%	0.35%	0.05%	0.06%	0.16%	
	Other ferrous metal	0.11	0.07	0.04	0.11	0.09	1.33%	0.65%	0.48%	0.88%	0.81%	
Ferrous Metal	Sub-total	0.28	0.17	0.38	0.46	0.35	3.38%	1.64%	4.50%	3.67%	3.14%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.01	0.01	0.00	0.04%	0.00%	0.07%	0.04%	0.03%	
	Non-ferrous beverage cans	0.01	0.01	0.07	0.07	0.05	0.09%	0.13%	0.88%	0.59%	0.45%	
	Non-ferrous aerosols	0.01	0.01	0.00	0.01	0.01	0.14%	0.09%	0.03%	0.04%	0.06%	
	Other non-ferrous metal	0.04	0.10	0.18	0.10	0.10	0.49%	0.94%	2.12%	0.77%	0.90%	
Non-ferrous Metal	Sub-total	0.06	0.12	0.26	0.18	0.16	0.76%	1.17%	3.10%	1.44%	1.45%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.13	0.00	0.00	0.04	0.00%	1.31%	0.00%	0.00%	0.37%	
	IT & Telecoms Equip.	0.00	0.00	0.03	0.00	0.00	0.00%	0.00%	0.34%	0.00%	0.03%	
	Consumer Equip.	0.00	0.03	0.01	0.24	0.13	0.00%	0.29%	0.06%	1.92%	1.19%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.05	0.00	0.00	0.02	0.02	0.61%	0.00%	0.00%	0.18%	0.15%	
	Lighting	0.03	0.00	0.01	0.01	0.01	0.39%	0.00%	0.12%	0.09%	0.08%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.01	0.06	0.03	0.00%	0.00%	0.08%	0.51%	0.30%	
WEEE	Sub-total	0.08	0.16	0.05	0.34	0.23	0.99%	1.60%	0.60%	2.70%	2.12%	
Hazardous	Household batteries	0.01	0.00	0.01	0.01	0.01	0.06%	0.03%	0.08%	0.09%	0.07%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.01	0.00	0.02	0.02	0.01%	0.14%	0.00%	0.20%	0.15%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.15	0.11	0.13	0.08	0.10	1.80%	1.12%	1.56%	0.62%	0.91%	
Hazardous	Sub-total	0.16	0.13	0.14	0.11	0.13	1.87%	1.30%	1.64%	0.91%	1.13%	
Organic Catering	Home Compostable food	1.10	1.10	0.94	1.54	1.31	13.32%	10.82%	11.15%	12.32%	11.87%	
	Unused home compostable food	0.64	0.33	0.23	0.59	0.48	7.70%	3.21%	2.77%	4.71%	4.33%	
	Non-home compostable food	0.80	0.94	0.53	1.11	0.97	9.71%	9.28%	6.27%	8.85%	8.83%	
	Unused non-home compostable food	0.82	0.83	0.76	0.85	0.83	9.94%	8.20%	8.95%	6.75%	7.53%	
Organic Catering	Sub-total	3.37	3.19	2.46	4.09	3.59	40.66%	31.50%	29.14%	32.63%	32.57%	
Organic Non-catering	Garden	0.01	0.40	0.09	0.24	0.26	0.12%	3.94%	1.05%	1.94%	2.32%	
	Soil	0.00	0.00	0.10	0.00	0.01	0.00%	0.00%	1.20%	0.00%	0.09%	
	Other organic	0.30	0.02	0.36	0.13	0.14	3.68%	0.23%	4.25%	1.06%	1.24%	
Organic Non-catering	Sub-total	0.31	0.42	0.55	0.38	0.40	3.80%	4.17%	6.49%	3.00%	3.65%	
Fines	Material less than 10mm	0.10	0.27	0.11	0.05	0.13	1.24%	2.62%	1.29%	0.41%	1.15%	
	Sub-total	0.10	0.27	0.11	0.05	0.13	1.24%	2.62%	1.29%	0.41%	1.15%	
TOTAL		8.28	10.14	8.45	12.53	11.03	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Residual Waste, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.08	0.22	0.19	0.90	0.55	0.69%	2.28%	1.94%	6.33%	4.64%	
	Magazines	0.05	0.07	0.43	0.35	0.25	0.65%	0.73%	4.49%	2.48%	2.09%	
	Other recyclable paper	0.20	0.23	0.27	0.29	0.26	2.39%	2.32%	2.80%	2.04%	2.19%	
	Paper packaging	0.00	0.00	0.03	0.01	0.01	0.05%	0.00%	0.32%	0.09%	0.09%	
	Non-recyclable paper	0.53	0.53	0.49	0.50	0.51	6.31%	5.44%	5.04%	3.48%	4.27%	
Paper	Sub-total	0.87	1.05	1.41	2.06	1.58	10.30%	10.76%	14.61%	14.43%	13.27%	
Card	Liquid cartons	0.02	0.03	0.02	0.01	0.02	0.30%	0.33%	0.19%	0.09%	0.17%	
	Board packaging	0.15	0.14	0.16	0.29	0.22	1.82%	1.45%	1.68%	2.03%	1.84%	
	Card packaging	0.28	0.35	0.30	0.58	0.46	3.27%	3.60%	3.08%	4.09%	3.84%	
	Other card	0.04	0.02	0.01	0.04	0.03	0.48%	0.20%	0.06%	0.27%	0.25%	
Card	Sub-total	0.49	0.54	0.48	0.93	0.73	5.87%	5.58%	5.01%	6.48%	6.10%	
Dense Plastic	Plastic Bottles:	PET	0.08	0.06	0.08	0.21	0.14	0.94%	0.63%	0.84%	1.49%	1.19%
		PET Coloured	0.01	0.06	0.02	0.07	0.06	0.15%	0.66%	0.22%	0.51%	0.50%
		HDPE	0.03	0.04	0.02	0.16	0.10	0.40%	0.40%	0.26%	1.09%	0.81%
		HDPE Coloured	0.03	0.04	0.03	0.05	0.04	0.41%	0.46%	0.30%	0.32%	0.36%
		Other	0.02	0.00	0.01	0.03	0.02	0.25%	0.02%	0.11%	0.19%	0.15%
	Other packaging	0.36	0.34	0.30	0.38	0.36	4.29%	3.46%	3.11%	2.69%	3.01%	
Dense Plastic	Sub-total	0.34	0.43	0.15	0.30	0.33	4.04%	4.41%	1.54%	2.11%	2.76%	
Plastic Film	Packaging film	0.26	0.30	0.31	0.55	0.43	3.08%	3.13%	3.24%	3.85%	3.58%	
	Other plastic film	0.27	0.43	0.30	0.43	0.40	3.24%	4.47%	3.16%	2.98%	3.38%	
Plastic Film	Sub-total	0.53	0.74	0.62	0.98	0.83	6.32%	7.60%	6.40%	6.83%	6.96%	
Textiles	Textiles	0.20	0.45	0.44	0.26	0.33	2.94%	4.62%	4.52%	1.83%	2.77%	
	Shoes	0.07	0.15	0.01	0.03	0.07	0.79%	1.50%	0.08%	0.23%	0.57%	
Textiles	Sub-total	0.26	0.60	0.44	0.29	0.40	3.13%	6.12%	4.60%	2.06%	3.35%	
Miscellaneous Combustibles	Treated wood	0.02	0.15	0.09	0.09	0.10	0.22%	1.57%	0.96%	0.64%	0.88%	
	Untreated wood	0.00	0.01	0.00	0.02	0.01	0.00%	0.07%	0.04%	0.16%	0.12%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.32	0.78	0.50	1.27	0.96	3.78%	8.06%	5.17%	8.91%	8.09%	
	Other misc. comb.	0.08	0.05	0.02	0.08	0.06	0.97%	0.53%	0.20%	0.53%	0.53%	
	Carpet and underlay	0.08	0.00	0.12	0.06	0.05	1.01%	0.00%	1.26%	0.41%	0.41%	
Miscellaneous Combustibles	Sub-total	0.50	1.00	0.74	1.52	1.20	5.98%	10.24%	7.63%	10.66%	10.03%	
Glass	Glass bottles	0.20	0.19	0.47	0.60	0.43	2.43%	1.92%	4.83%	4.20%	3.57%	
	Glass jars	0.10	0.09	0.16	0.30	0.20	1.15%	0.92%	1.70%	2.10%	1.72%	
	Other glass	0.08	0.00	0.01	0.03	0.02	0.90%	0.04%	0.14%	0.20%	0.20%	
Glass	Sub-total	0.38	0.28	0.64	0.93	0.65	4.48%	2.89%	6.67%	6.50%	5.49%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.07	0.19	0.02	0.05	0.00%	0.77%	1.99%	0.15%	0.44%	
	Other misc.non.comb	0.26	0.29	0.09	0.08	0.16	3.10%	2.98%	0.96%	0.54%	1.34%	
Miscellaneous Non-combustibles	Sub-total	0.26	0.37	0.28	0.10	0.21	3.10%	3.76%	2.95%	0.69%	1.78%	
Ferrous Metal	Ferrous food cans	0.13	0.07	0.22	0.37	0.24	1.56%	0.71%	2.30%	2.61%	2.05%	
	Ferrous beverage cans	0.05	0.03	0.07	0.09	0.06	0.56%	0.28%	0.77%	0.61%	0.54%	
	Ferrous aerosols	0.02	0.03	0.01	0.02	0.02	0.29%	0.36%	0.15%	0.15%	0.21%	
	Other ferrous metal	0.09	0.17	0.07	0.06	0.10	1.07%	1.76%	0.76%	0.39%	0.80%	
Ferrous Metal	Sub-total	0.29	0.30	0.38	0.54	0.43	3.48%	3.10%	3.98%	3.76%	3.59%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.01	0.01	0.07%	0.03%	0.05%	0.07%	0.06%	
	Non-ferrous beverage cans	0.06	0.04	0.06	0.10	0.07	0.75%	0.45%	0.63%	0.67%	0.62%	
	Non-ferrous aerosols	0.01	0.01	0.01	0.02	0.02	0.10%	0.15%	0.08%	0.14%	0.14%	
	Other non-ferrous metal	0.06	0.08	0.12	0.10	0.09	0.66%	0.79%	1.22%	0.70%	0.76%	
Non-ferrous Metal	Sub-total	0.13	0.14	0.19	0.23	0.19	1.57%	1.43%	1.97%	1.59%	1.58%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.11	0.07	0.00	0.00	0.03	1.35%	0.68%	0.00%	0.00%	0.25%	
	IT & Telecoms Equip.	0.00	0.00	0.02	0.00	0.00	0.00%	0.00%	0.21%	0.00%	0.02%	
	Consumer Equip.	0.07	0.19	0.00	0.12	0.13	0.88%	1.96%	0.03%	0.84%	1.06%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.03	0.00	0.00	0.01	0.01	0.30%	0.00%	0.00%	0.08%	0.07%	
	Lighting	0.04	0.00	0.03	0.03	0.02	0.44%	0.00%	0.27%	0.18%	0.16%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Other WEEE	0.03	0.00	0.02	0.03	0.02	0.33%	0.00%	0.20%	0.22%	0.17%		
WEEE	Sub-total	0.28	0.26	0.07	0.19	0.21	3.30%	2.64%	0.71%	1.33%	1.73%	
Hazardous	Household batteries	0.01	0.00	0.01	0.01	0.01	0.08%	0.05%	0.09%	0.05%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.03	0.02	0.09%	0.11%	0.07%	0.23%	0.18%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.10	0.08	0.08	0.04	0.06	1.21%	0.82%	0.83%	0.27%	0.51%	
Hazardous	Sub-total	0.12	0.10	0.10	0.08	0.09	1.39%	0.98%	1.00%	0.55%	0.74%	
Organic Catering	Home Compostable food	1.11	1.23	0.86	1.81	1.48	13.20%	12.63%	8.90%	12.68%	12.40%	
	Unused home compostable food	0.44	0.23	0.42	0.54	0.42	5.23%	2.32%	4.32%	3.79%	3.55%	
	Non-home compostable food	0.75	0.84	0.59	1.72	1.25	8.90%	8.59%	6.08%	12.05%	10.52%	
	Unused non-home compostable food	0.59	0.57	0.67	0.69	0.64	6.96%	5.82%	6.98%	4.80%	5.36%	
Organic Catering	Sub-total	2.88	2.85	2.54	4.76	3.80	34.29%	29.36%	26.28%	33.33%	31.84%	
Organic Non-catering	Garden	0.11	0.20	0.28	0.12	0.16	1.30%	2.05%	2.85%	0.87%	1.35%	
	Soil	0.02	0.00	0.05	0.00	0.01	0.22%	0.00%	0.53%	0.00%	0.06%	
	Other organic	0.23	0.01	0.50	0.08	0.11	2.70%	0.12%	5.15%	0.58%	0.96%	
Organic Non-catering	Sub-total	0.36	0.21	0.82	0.21	0.28	4.22%	2.17%	8.53%	1.45%	2.36%	
Fines	Material less than 10mm	0.18	0.32	0.32	0.28	0.29	2.08%	3.34%	3.29%	1.94%	2.41%	
	Fines	Sub-total	0.18	0.32	0.32	0.28	0.29	2.08%	3.34%	3.29%	1.94%	2.41%
TOTAL		8.41	9.72	9.65	14.28	11.92	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Garden Waste, March 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	KNO	1	3	4	5	KNO
Paper	Newspapers	0.00	0.00	0.00	0.07	0.04	0.00%	0.00%	0.00%	5.63%	2.81%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.04	0.02	0.00%	0.00%	0.00%	2.95%	1.47%
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.11%	0.05%
Paper	Sub-total	0.00	0.00	0.00	0.11	0.05	0.00%	0.00%	0.00%	8.69%	4.34%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.26%	0.00%	0.00%	0.11%	0.06%
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.00	0.00	0.00	0.26%	0.00%	0.00%	0.11%	0.06%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.15%	0.00%	0.19%	0.15%
Dense Plastic	Sub-total	0.00	0.00	0.00	0.03	0.02	0.00%	0.00%	0.00%	2.66%	1.33%
Plastic Film	Packaging film	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.44%	0.22%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.07%	0.04%
Plastic Film	Sub-total	0.00	0.00	0.00	0.01	0.00	0.00%	0.03%	0.00%	0.50%	0.26%
Textiles	Textiles	0.00	0.00	0.00	0.10	0.05	0.00%	0.00%	0.00%	8.17%	4.08%
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.10	0.05	0.00%	0.00%	0.00%	8.17%	4.08%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.04	0.02	0.00%	0.00%	0.00%	2.90%	1.45%
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.24%	0.12%
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.04	0.02	0.00%	0.00%	0.00%	3.14%	1.57%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.23%	0.12%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.23%	0.12%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Garden	0.58	1.42	1.09	0.90	1.05	96.62%	95.38%	97.07%	73.42%	83.65%
	Soil	0.02	0.07	0.16	0.04	0.06	3.12%	4.45%	12.93%	2.88%	4.44%
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	0.58	1.48	1.25	0.94	1.10	99.74%	99.82%	100.00%	76.31%	88.09%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL		0.58	1.48	1.25	1.23	1.25	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Garden Waste, June 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	KNO	1	3	4	5	KNO
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.02	0.00	0.00	0.00	0.00%	0.67%	0.00%	0.00%	0.24%
Paper	Sub-total	0.00	0.02	0.00	0.00	0.00	0.00%	0.67%	0.00%	0.00%	0.24%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.02%	0.01%
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.02%	0.01%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.03%	0.02%
	PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.01%
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.13%	0.06%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.16%	0.08%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.02%	0.02%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.04%	0.02%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.07%	0.04%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.11%	0.05%
	Untreated wood	0.00	0.00	0.00	0.06	0.03	0.00%	0.00%	0.00%	3.21%	1.57%
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.06	0.03	0.00%	0.00%	0.00%	3.32%	1.63%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other prnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Garden	1.57	2.32	1.53	1.16	1.58	98.24%	98.50%	100.00%	60.66%	80.05%
	Soil	0.03	0.02	0.00	0.68	0.35	1.76%	0.80%	0.00%	35.62%	17.86%
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	1.60	2.33	1.53	1.83	1.94	100.00%	99.30%	100.00%	96.27%	97.92%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.16%	0.08%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.16%	0.08%
TOTAL		1.60	2.35	1.53	1.90	1.98	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Garden Waste, Study Average											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	KNO	1	3	4	5	KNO
Paper	Newspapers	0.00	0.00	0.00	0.03	0.02	0.00%	0.00%	0.00%	2.21%	1.09%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	1.16%	0.57%
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.01	0.00	0.00	0.00	0.00%	0.41%	0.00%	0.04%	0.17%
Paper	Sub-total	0.00	0.01	0.00	0.05	0.03	0.00%	0.41%	0.00%	3.41%	1.83%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.07%	0.00%	0.04%	0.03%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.01%	0.01%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.07%	0.00%	0.00%	0.05%	0.03%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.02%	0.01%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.07%	0.00%	0.07%	0.06%
Other dense plastic	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	1.13%	0.56%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.02	0.01	0.00%	0.07%	0.00%	1.22%	0.63%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.19%	0.09%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.05%	0.03%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.24%	0.13%
Textiles	Textiles	0.00	0.00	0.00	0.05	0.03	0.00%	0.00%	0.00%	3.21%	1.58%
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.05	0.03	0.00%	0.00%	0.00%	3.21%	1.58%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	1.20%	0.59%
	Untreated wood	0.00	0.00	0.00	0.03	0.02	0.00%	0.00%	0.00%	2.05%	1.01%
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.05	0.03	0.00%	0.00%	0.00%	3.25%	1.60%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.04%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.04%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys,Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Garden	1.07	1.87	1.31	1.03	1.32	97.81%	97.29%	94.19%	65.67%	81.45%
	Soil	0.02	0.04	0.08	0.36	0.20	2.12%	2.21%	5.81%	22.77%	12.66%
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	1.09	1.91	1.39	1.39	1.52	99.93%	99.50%	100.00%	88.44%	94.11%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.05%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.05%	
TOTAL		1.09	1.92	1.39	1.57	1.62	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Dry Recyclables, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.82	0.55	0.98	0.63	0.66	19.11%	17.05%	27.60%	23.54%	21.37%	
	Magazines	0.33	0.25	0.13	0.40	0.32	7.79%	7.85%	3.78%	14.93%	10.52%	
	Other recyclable paper	0.23	0.17	0.15	0.10	0.14	5.33%	5.36%	4.31%	3.89%	4.58%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.13%	0.00%	0.03%	
	Non-recyclable paper	0.14	0.24	0.21	0.21	0.21	3.24%	7.26%	5.97%	7.70%	6.83%	
Paper	Sub-total	1.52	1.22	1.49	1.34	1.34	35.47%	37.56%	41.79%	50.06%	43.33%	
Card	Liquid cartons	0.00	0.00	0.01	0.01	0.00	0.04%	0.11%	0.17%	0.21%	0.15%	
	Board packaging	0.39	0.21	0.19	0.15	0.19	9.02%	6.34%	5.30%	5.67%	6.25%	
	Card packaging	0.45	0.38	0.30	0.13	0.25	10.46%	11.73%	8.42%	4.67%	8.07%	
	Other card	0.02	0.00	0.01	0.00	0.00	0.43%	0.10%	0.36%	0.00%	0.12%	
Card	Sub-total	0.86	0.59	0.51	0.28	0.45	19.95%	18.28%	14.24%	10.55%	14.59%	
Dense Plastic	Plastic Bottles:	PET	0.09	0.10	0.08	0.07	0.08	2.15%	3.05%	2.33%	2.77%	2.74%
		PET Coloured	0.02	0.01	0.02	0.07	0.05	0.41%	0.39%	0.52%	2.78%	1.47%
		HDPE	0.12	0.08	0.09	0.00	0.04	2.70%	2.49%	2.39%	0.11%	1.45%
		HDPE Coloured	0.04	0.04	0.03	0.00	0.02	0.86%	1.10%	0.96%	0.08%	0.61%
		Other	0.01	0.01	0.02	0.00	0.01	0.26%	0.30%	0.43%	0.00%	0.18%
	Other packaging	0.01	0.06	0.04	0.02	0.03	0.34%	1.81%	1.15%	0.78%	1.10%	
	Other dense plastic	0.03	0.04	0.04	0.06	0.05	0.65%	1.23%	1.15%	2.30%	1.63%	
Dense Plastic	Sub-total	0.32	0.34	0.32	0.24	0.28	7.36%	10.39%	8.94%	8.83%	9.17%	
Plastic Film	Packaging film	0.03	0.02	0.02	0.03	0.03	0.66%	0.50%	0.56%	1.16%	0.82%	
	Other plastic film	0.03	0.01	0.01	0.01	0.01	0.62%	0.23%	0.24%	0.35%	0.33%	
Plastic Film	Sub-total	0.05	0.02	0.03	0.04	0.04	1.28%	0.73%	0.82%	1.51%	1.15%	
Textiles	Textiles	0.00	0.02	0.01	0.00	0.01	0.10%	0.70%	0.40%	0.00%	0.29%	
	Shoes	0.00	0.00	0.02	0.00	0.00	0.00%	0.00%	0.57%	0.00%	0.06%	
Textiles	Sub-total	0.00	0.02	0.03	0.00	0.01	0.10%	0.70%	0.97%	0.00%	0.35%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.16%	0.07%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.16%	0.07%	
Glass	Glass bottles	0.90	0.59	0.63	0.46	0.55	20.90%	18.23%	17.77%	17.06%	17.98%	
	Glass jars	0.29	0.21	0.25	0.08	0.15	6.82%	6.34%	7.00%	3.00%	4.99%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	1.19	0.80	0.88	0.54	0.71	27.72%	24.57%	24.77%	20.05%	22.97%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.20	0.16	0.16	0.10	0.13	4.63%	4.85%	4.44%	3.73%	4.28%	
	Ferrous beverage cans	0.04	0.02	0.03	0.03	0.03	0.88%	0.69%	0.92%	1.28%	1.00%	
	Ferrous aerosols	0.00	0.01	0.02	0.00	0.00	0.10%	0.23%	0.47%	0.00%	0.14%	
	Other ferrous metal	0.02	0.00	0.00	0.00	0.00	0.40%	0.00%	0.00%	0.00%	0.05%	
Ferrous Metal	Sub-total	0.26	0.19	0.21	0.13	0.17	6.01%	5.77%	5.83%	5.01%	5.47%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.03%	0.10%	0.05%	0.00%	0.04%	
	Non-ferrous beverage cans	0.06	0.04	0.03	0.04	0.04	1.33%	1.17%	0.85%	1.59%	1.34%	
	Non-ferrous aerosols	0.00	0.00	0.01	0.00	0.00	0.06%	0.08%	0.24%	0.00%	0.06%	
	Other non-ferrous metal	0.02	0.01	0.01	0.00	0.00	0.40%	0.16%	0.23%	0.00%	0.13%	
Non-ferrous Metal	Sub-total	0.08	0.05	0.05	0.04	0.05	1.82%	1.51%	1.37%	1.59%	1.57%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.01	0.04	0.00	0.01	0.04%	0.16%	1.16%	0.00%	0.19%	
WEEE	Sub-total	0.00	0.01	0.04	0.00	0.01	0.04%	0.16%	1.16%	0.00%	0.19%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.01	0.01	0.00%	0.00%	0.00%	0.44%	0.20%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.01	0.01	0.00%	0.00%	0.00%	0.44%	0.20%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.01	0.01	0.00	0.05	0.03	0.23%	0.32%	0.10%	1.79%	0.94%	
Fines	Sub-total	0.01	0.01	0.00	0.05	0.03	0.23%	0.32%	0.10%	1.79%	0.94%	
TOTAL		4.29	3.25	3.57	2.69	3.08	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Dry Recyclables, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.92	0.81	0.73	0.19	0.49	22.54%	28.53%	28.52%	14.34%	23.12%	
	Magazines	0.64	0.23	0.13	0.17	0.22	15.64%	8.07%	5.20%	13.05%	10.53%	
	Other recyclable paper	0.16	0.10	0.14	0.10	0.11	3.97%	3.42%	5.49%	8.02%	5.19%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.08	0.01	0.01	0.02	0.02	1.96%	0.28%	0.34%	1.54%	0.96%	
Paper	Sub-total	1.80	1.14	1.01	0.48	0.85	44.12%	40.30%	39.55%	36.94%	39.80%	
Card	Liquid cartons	0.02	0.00	0.01	0.00	0.00	0.52%	0.06%	0.37%	0.08%	0.18%	
	Board packaging	0.19	0.21	0.33	0.10	0.16	4.62%	7.28%	12.96%	7.96%	7.72%	
	Card packaging	0.33	0.14	0.29	0.14	0.17	8.06%	5.07%	11.37%	10.49%	7.99%	
	Other card	0.02	0.01	0.00	0.02	0.02	0.55%	0.32%	0.09%	1.75%	0.78%	
Card	Sub-total	0.56	0.36	0.63	0.27	0.36	13.75%	12.73%	24.79%	20.29%	16.67%	
Dense Plastic	Plastic Bottles:	PET	0.16	0.06	0.09	0.02	0.05	3.85%	2.17%	3.47%	1.18%	2.29%
		PET Coloured	0.02	0.01	0.01	0.01	0.01	0.37%	0.45%	0.27%	0.40%	0.40%
		HDPE	0.10	0.03	0.06	0.04	0.04	2.38%	1.11%	2.45%	2.78%	2.00%
		HDPE Coloured	0.02	0.02	0.03	0.02	0.02	0.58%	0.77%	1.23%	1.16%	0.92%
		Other	0.01	0.01	0.01	0.00	0.01	0.27%	0.20%	0.35%	0.25%	0.24%
	Other packaging	0.08	0.02	0.01	0.05	0.04	2.04%	0.58%	0.27%	4.16%	1.90%	
	Other dense plastic	0.08	0.02	0.01	0.01	0.02	2.01%	0.59%	0.39%	1.04%	0.94%	
Dense Plastic	Sub-total	0.47	0.17	0.22	0.14	0.19	11.51%	5.88%	8.43%	10.96%	8.69%	
Plastic Film	Packaging film	0.03	0.00	0.00	0.01	0.01	0.76%	0.00%	0.06%	0.87%	0.40%	
	Other plastic film	0.02	0.00	0.01	0.02	0.01	0.42%	0.16%	0.27%	1.32%	0.57%	
Plastic Film	Sub-total	0.05	0.00	0.01	0.03	0.02	1.17%	0.16%	0.32%	2.18%	0.97%	
Textiles	Textiles	0.02	0.00	0.00	0.00	0.00	0.61%	0.00%	0.09%	0.00%	0.11%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.02	0.00	0.00	0.00	0.00	0.61%	0.00%	0.09%	0.00%	0.11%	
Miscellaneous Combustibles	Treated wood	0.02	0.06	0.00	0.00	0.02	0.44%	2.01%	0.00%	0.00%	0.89%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.14%	0.00%	0.00%	0.06%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.04	0.03	0.02	0.02%	0.00%	1.66%	2.60%	1.01%	
	Other misc. comb.	0.00	0.03	0.00	0.00	0.01	0.00%	0.99%	0.06%	0.00%	0.41%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.11%	0.00%	0.00%	0.18%	0.08%	
Miscellaneous Combustibles	Sub-total	0.02	0.09	0.04	0.04	0.05	0.57%	3.15%	1.73%	2.79%	2.44%	
Glass	Glass bottles	0.74	0.44	0.30	0.20	0.33	18.12%	15.66%	11.73%	15.41%	15.53%	
	Glass jars	0.15	0.09	0.10	0.02	0.06	3.56%	3.02%	3.94%	1.75%	2.82%	
	Other glass	0.00	0.01	0.00	0.00	0.01	0.10%	0.49%	0.00%	0.32%	0.32%	
Glass	Sub-total	0.89	0.54	0.40	0.23	0.40	21.77%	19.17%	15.67%	17.48%	18.66%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.07	0.00	0.00	0.02	0.00%	2.59%	0.00%	0.00%	1.05%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.25%	0.08%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.07	0.00	0.00	0.02	0.00%	2.59%	0.00%	0.25%	1.13%	
Ferrous Metal	Ferrous food cans	0.10	0.07	0.11	0.04	0.06	2.41%	2.54%	4.15%	3.15%	2.90%	
	Ferrous beverage cans	0.01	0.01	0.02	0.00	0.01	0.13%	0.45%	0.80%	0.33%	0.40%	
	Ferrous aerosols	0.00	0.01	0.01	0.00	0.01	0.08%	0.36%	0.30%	0.16%	0.25%	
	Other ferrous metal	0.02	0.00	0.00	0.00	0.00	0.52%	0.00%	0.00%	0.00%	0.09%	
Ferrous Metal	Sub-total	0.13	0.09	0.13	0.05	0.08	3.15%	3.35%	5.25%	3.64%	3.63%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.01	0.01%	0.01%	0.04%	0.09%	0.04%	
	Non-ferrous beverage cans	0.05	0.05	0.04	0.02	0.03	1.14%	1.66%	1.45%	1.27%	1.43%	
	Non-ferrous aerosols	0.01	0.00	0.01	0.00	0.00	0.33%	0.14%	0.24%	0.10%	0.17%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.05%	0.05%	0.15%	0.09%	0.08%	
Non-ferrous Metal	Sub-total	0.06	0.05	0.05	0.02	0.04	1.54%	1.86%	1.88%	1.55%	1.71%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.10%	0.03%	
	Consumer Equip.	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	1.24%	0.39%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.09%	0.00%	0.00%	0.00%	0.02%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.11%	0.02%	0.02%	
WEEE	Sub-total	0.01	0.00	0.00	0.02	0.01	0.12%	0.00%	0.11%	1.36%	0.46%	
Hazardous	Household batteries	0.02	0.00	0.00	0.00	0.00	0.38%	0.00%	0.03%	0.00%	0.07%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.01	0.00	0.00	0.00	0.00	0.18%	0.00%	0.00%	0.00%	0.03%	
Hazardous	Sub-total	0.02	0.00	0.00	0.00	0.00	0.56%	0.00%	0.03%	0.00%	0.10%	
Organic Catering	Home Compostable food	0.00	0.01	0.02	0.02	0.01	0.00%	0.37%	0.60%	1.32%	0.63%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.09%	0.11%	0.04%	
	Non-home compostable food	0.04	0.03	0.01	0.00	0.02	1.02%	1.19%	0.35%	0.25%	0.77%	
	Unused non-home compostable food	0.00	0.01	0.00	0.00	0.00	0.00%	0.21%	0.00%	0.15%	0.13%	
Organic Catering	Sub-total	0.04	0.05	0.03	0.02	0.03	1.02%	1.78%	1.04%	1.83%	1.58%	
Organic Non-catering	Garden	0.00	0.10	0.00	0.00	0.03	0.00%	3.40%	0.00%	0.00%	1.38%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.50%	0.16%	
Organic Non-catering	Sub-total	0.00	0.10	0.00	0.01	0.03	0.00%	3.40%	0.00%	0.50%	1.54%	
Fines	Material less than 10mm	0.00	0.16	0.03	0.00	0.05	0.11%	5.65%	1.09%	0.22%	2.51%	
Fines	Sub-total	0.00	0.16	0.03	0.00	0.05	0.11%	5.65%	1.09%	0.22%	2.51%	
TOTAL		4.09	2.82	2.56	1.31	2.13	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Dry Recyclables, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.87	0.68	0.86	0.41	0.58	20.78%	22.39%	27.99%	20.53%	22.08%	
	Magazines	0.49	0.24	0.13	0.29	0.27	11.62%	7.95%	4.37%	14.31%	10.53%	
	Other recyclable paper	0.20	0.14	0.15	0.10	0.13	4.67%	4.46%	4.80%	5.24%	4.83%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.08%	0.00%	0.02%	
	Non-recyclable paper	0.11	0.12	0.11	0.11	0.12	2.62%	4.01%	3.62%	5.68%	4.43%	
Paper	Sub-total	1.66	1.18	1.25	0.91	1.09	39.69%	38.84%	40.86%	45.77%	41.89%	
Card	Liquid cartons	0.01	0.00	0.01	0.00	0.00	0.28%	0.09%	0.25%	0.17%	0.16%	
	Board packaging	0.29	0.21	0.26	0.13	0.18	6.88%	6.78%	8.50%	6.42%	6.85%	
	Card packaging	0.39	0.26	0.30	0.13	0.21	9.29%	8.63%	9.65%	6.57%	8.04%	
	Other card	0.02	0.01	0.01	0.01	0.01	0.49%	0.21%	0.25%	0.57%	0.39%	
Card	Sub-total	0.71	0.48	0.57	0.27	0.40	16.93%	15.70%	18.65%	13.74%	15.44%	
Dense Plastic	Plastic Bottles:	PET	0.12	0.08	0.09	0.04	0.07	2.98%	2.64%	2.81%	2.25%	2.55%
		PET Coloured	0.02	0.01	0.01	0.04	0.03	0.39%	0.42%	0.41%	2.00%	1.03%
		HDPE	0.11	0.06	0.07	0.02	0.04	2.54%	1.85%	2.42%	0.99%	1.67%
		HDPE Coloured	0.03	0.03	0.03	0.01	0.02	0.72%	0.95%	1.07%	0.43%	0.73%
		Other	0.01	0.01	0.01	0.00	0.01	0.26%	0.25%	0.40%	0.08%	0.20%
	Other packaging	0.05	0.04	0.02	0.04	0.04	1.17%	1.24%	0.78%	1.88%	1.43%	
Dense Plastic	Sub-total	0.39	0.25	0.27	0.19	0.23	9.38%	8.29%	8.72%	9.53%	8.97%	
Plastic Film	Packaging film	0.03	0.01	0.01	0.02	0.02	0.71%	0.27%	0.36%	1.06%	0.65%	
	Other plastic film	0.02	0.01	0.01	0.01	0.01	0.52%	0.20%	0.25%	0.67%	0.43%	
Plastic Film	Sub-total	0.05	0.01	0.02	0.03	0.03	1.23%	0.46%	0.61%	1.73%	1.08%	
Textiles	Textiles	0.01	0.01	0.01	0.00	0.01	0.35%	0.38%	0.27%	0.00%	0.21%	
	Shoes	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.33%	0.00%	0.04%	
Textiles	Sub-total	0.01	0.01	0.02	0.00	0.01	0.35%	0.38%	0.61%	0.00%	0.25%	
Miscellaneous Combustibles	Treated wood	0.01	0.03	0.00	0.00	0.01	0.22%	0.94%	0.00%	0.00%	0.36%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.07%	0.00%	0.00%	0.02%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.02	0.02	0.01	0.01%	0.00%	0.70%	0.85%	0.41%	
	Other misc. comb.	0.00	0.01	0.00	0.00	0.01	0.00%	0.46%	0.03%	0.11%	0.21%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.06%	0.03%	
Miscellaneous Combustibles	Sub-total	0.01	0.04	0.02	0.02	0.03	0.28%	1.46%	0.72%	1.02%	1.04%	
Glass	Glass bottles	0.82	0.52	0.47	0.33	0.44	19.54%	17.04%	15.25%	16.52%	16.98%	
	Glass jars	0.22	0.15	0.18	0.05	0.11	5.23%	4.80%	5.72%	2.58%	4.10%	
	Other glass	0.00	0.01	0.00	0.00	0.00	0.05%	0.23%	0.00%	0.11%	0.13%	
Glass	Sub-total	1.04	0.67	0.64	0.38	0.55	24.82%	22.06%	20.97%	19.21%	21.21%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.04	0.00	0.00	0.01	0.00%	1.20%	0.00%	0.00%	0.43%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.08%	0.03%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.04	0.00	0.00	0.01	0.00%	1.20%	0.00%	0.08%	0.46%	
Ferrous Metal	Ferrous food cans	0.15	0.11	0.13	0.07	0.10	3.55%	3.77%	4.32%	3.54%	3.71%	
	Ferrous beverage cans	0.02	0.02	0.03	0.02	0.02	0.51%	0.58%	0.87%	0.97%	0.76%	
	Ferrous aerosols	0.00	0.01	0.01	0.00	0.00	0.09%	0.29%	0.40%	0.05%	0.18%	
	Other ferrous metal	0.02	0.00	0.00	0.00	0.00	0.46%	0.00%	0.00%	0.00%	0.06%	
Ferrous Metal	Sub-total	0.19	0.14	0.17	0.09	0.12	4.61%	4.64%	5.59%	4.56%	4.72%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.02%	0.06%	0.05%	0.03%	0.04%	
	Non-ferrous beverage cans	0.05	0.04	0.03	0.03	0.04	1.24%	1.40%	1.10%	1.49%	1.38%	
	Non-ferrous aerosols	0.01	0.00	0.01	0.00	0.00	0.19%	0.11%	0.24%	0.03%	0.10%	
	Other non-ferrous metal	0.01	0.00	0.01	0.00	0.00	0.23%	0.11%	0.19%	0.03%	0.11%	
Non-ferrous Metal	Sub-total	0.07	0.05	0.05	0.03	0.04	1.68%	1.67%	1.58%	1.58%	1.63%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.03%	0.01%	
	Consumer Equip.	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.41%	0.16%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.04%	0.00%	0.00%	0.00%	0.01%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.02	0.00	0.00	0.03%	0.09%	0.72%	0.01%	0.12%	
WEEE	Sub-total	0.00	0.00	0.02	0.01	0.01	0.08%	0.09%	0.72%	0.45%	0.30%	
Hazardous	Household batteries	0.01	0.00	0.00	0.00	0.00	0.20%	0.00%	0.01%	0.00%	0.03%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.09%	0.00%	0.00%	0.00%	0.01%	
Hazardous	Sub-total	0.01	0.00	0.00	0.00	0.00	0.28%	0.00%	0.01%	0.00%	0.04%	
Organic Catering	Home Compostable food	0.00	0.01	0.01	0.01	0.01	0.00%	0.17%	0.25%	0.43%	0.26%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.04%	0.04%	0.02%	
	Non-home compostable food	0.02	0.02	0.00	0.01	0.01	0.50%	0.55%	0.15%	0.38%	0.43%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.10%	0.00%	0.05%	0.06%	
Organic Catering	Sub-total	0.02	0.03	0.01	0.02	0.02	0.50%	0.83%	0.43%	0.90%	0.76%	
Organic Non-catering	Garden	0.00	0.05	0.00	0.00	0.01	0.00%	1.58%	0.00%	0.00%	0.56%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.16%	0.06%	
Organic Non-catering	Sub-total	0.00	0.05	0.00	0.00	0.02	0.00%	1.58%	0.00%	0.16%	0.63%	
Fines	Material less than 10mm	0.01	0.09	0.02	0.03	0.04	0.17%	2.80%	0.52%	1.28%	1.58%	
Fines	Sub-total	0.01	0.09	0.02	0.03	0.04	0.17%	2.80%	0.52%	1.28%	1.58%	
TOTAL		4.19	3.04	3.06	2.00	2.61	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Food Waste, March 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	KNO	1	3	4	5	KNO
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys,Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.16	0.12	0.17	0.09	0.11	51.04%	47.90%	50.36%	47.90%	
	Unused home compostable food	0.04	0.05	0.04	0.03	0.04	11.79%	21.54%	10.77%	17.25%	
	Non-home compostable food	0.11	0.08	0.13	0.06	0.08	36.26%	30.55%	38.87%	34.42%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.91%	0.00%	0.00%	0.43%	
Organic Catering	Sub-total	0.32	0.25	0.34	0.18	0.23	100.00%	100.00%	100.00%	100.00%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		0.32	0.25	0.34	0.18	0.23	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Food Waste, March 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	KNO	1	3	4	5	KNO
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	1.56%	0.00%	0.00%	0.00%	0.16%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.04%	0.00%	1.41%	0.00%	0.14%
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00	1.61%	0.00%	1.41%	0.00%	0.30%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.08	0.09	0.07	0.12	0.11	30.54%	49.16%	31.80%	53.26%	47.75%
	Unused home compostable food	0.05	0.01	0.04	0.01	0.02	20.13%	3.34%	18.93%	6.23%	8.16%
	Non-home compostable food	0.08	0.08	0.06	0.08	0.08	31.63%	44.46%	25.36%	34.07%	35.68%
	Unused non-home compostable food	0.04	0.01	0.05	0.02	0.02	16.09%	3.03%	22.50%	6.44%	8.12%
Organic Catering	Sub-total	0.26	0.19	0.21	0.23	0.22	98.39%	100.00%	98.59%	100.00%	99.70%
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		0.27	0.19	0.22	0.23	0.22	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Food Waste, Study Average											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	KNO	1	3	4	5	KNO
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.72%	0.00%	0.00%	0.00%	0.08%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.55%	0.00%	0.07%
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00	0.74%	0.00%	0.55%	0.00%	0.15%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.12	0.11	0.12	0.11	0.11	41.65%	48.44%	43.16%	50.89%	48.20%
	Unused home compostable food	0.05	0.03	0.04	0.02	0.03	15.61%	13.84%	13.93%	11.09%	12.76%
	Non-home compostable food	0.10	0.08	0.09	0.07	0.08	34.14%	36.44%	33.63%	34.23%	34.81%
	Unused non-home compostable food	0.02	0.00	0.02	0.01	0.01	7.87%	1.28%	8.72%	3.79%	4.09%
Organic Catering	Sub-total	0.29	0.22	0.28	0.21	0.23	99.26%	100.00%	99.45%	100.00%	99.85%
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		0.29	0.22	0.28	0.21	0.23	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Combined Kerbside Waste Streams, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.87	0.68	1.11	1.35	1.08	6.35%	4.75%	6.92%	6.73%	6.22%	
	Magazines	0.40	0.28	0.37	0.83	0.58	2.88%	1.97%	2.30%	4.11%	3.32%	
	Other recyclable paper	0.51	0.51	0.47	0.37	0.44	3.74%	3.59%	2.97%	1.85%	2.52%	
	Paper packaging	0.01	0.00	0.07	0.03	0.02	0.06%	0.01%	0.42%	0.13%	0.12%	
	Non-recyclable paper	0.62	0.67	0.68	0.92	0.80	4.54%	4.71%	4.25%	4.59%	4.58%	
Paper	Sub-total	2.41	2.15	2.70	3.50	2.91	17.56%	15.03%	16.85%	17.41%	16.77%	
Card	Liquid cartons	0.02	0.04	0.03	0.02	0.03	0.15%	0.31%	0.17%	0.11%	0.17%	
	Board packaging	0.57	0.48	0.26	0.35	0.40	4.15%	3.36%	1.60%	1.72%	2.29%	
	Card packaging	0.68	0.68	0.58	0.83	0.75	4.96%	4.76%	3.65%	4.10%	4.29%	
	Other card	0.10	0.01	0.02	0.03	0.03	0.72%	0.09%	0.15%	0.17%	0.19%	
Card	Sub-total	1.37	1.22	0.89	1.23	1.20	9.98%	8.52%	5.57%	6.10%	6.93%	
Dense Plastic	Plastic Bottles:	PET	0.17	0.16	0.17	0.36	0.26	1.23%	1.09%	1.03%	1.77%	1.50%
		PET Coloured	0.04	0.12	0.04	0.18	0.14	0.28%	0.84%	0.25%	0.89%	0.78%
		HDPE	0.16	0.13	0.10	0.16	0.14	1.15%	0.90%	0.62%	0.78%	0.82%
		HDPE Coloured	0.06	0.08	0.06	0.05	0.06	0.44%	0.53%	0.40%	0.23%	0.33%
	Other	0.02	0.01	0.02	0.05	0.03	0.15%	0.07%	0.13%	0.24%	0.18%	
	Other packaging	0.46	0.42	0.43	0.46	0.45	3.33%	2.96%	2.67%	2.28%	2.56%	
Other dense plastic	0.27	0.50	0.21	0.54	0.47	2.00%	3.53%	1.34%	2.67%	2.72%		
Dense Plastic	Sub-total	1.18	1.42	1.03	1.78	1.55	8.60%	9.91%	6.45%	8.86%	8.89%	
Plastic Film	Packaging film	0.30	0.26	0.36	0.69	0.48	2.18%	1.79%	2.25%	3.44%	2.83%	
	Other plastic film	0.30	0.42	0.45	0.46	0.43	2.20%	2.91%	2.84%	2.28%	2.49%	
Plastic Film	Sub-total	0.60	0.67	0.81	1.15	0.92	4.38%	4.71%	5.08%	5.73%	5.32%	
Textiles	Textiles	0.18	0.15	0.64	0.33	0.29	1.31%	1.04%	3.97%	1.63%	1.67%	
	Shoes	0.00	0.16	0.04	0.02	0.06	0.00%	1.10%	0.22%	0.11%	0.36%	
Textiles	Sub-total	0.18	0.31	0.67	0.35	0.35	1.31%	2.14%	4.19%	1.74%	2.03%	
Miscellaneous Combustibles	Treated wood	0.02	0.29	0.18	0.15	0.19	0.13%	2.05%	1.10%	0.77%	1.08%	
	Untreated wood	0.00	0.01	0.00	0.02	0.01	0.00%	0.09%	0.00%	0.11%	0.09%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.57	0.94	0.85	1.52	1.20	4.12%	6.58%	5.32%	7.56%	6.88%	
	Other misc. comb.	0.11	0.09	0.03	0.08	0.08	0.79%	0.61%	0.19%	0.40%	0.46%	
	Carpet and underlay	0.15	0.00	0.21	0.12	0.09	1.12%	0.00%	1.31%	0.58%	0.54%	
Miscellaneous Combustibles	Sub-total	0.85	1.33	1.27	1.89	1.57	6.16%	9.34%	7.93%	9.41%	9.04%	
Glass	Glass bottles	1.02	0.91	0.83	1.42	1.17	7.44%	6.38%	5.18%	7.08%	6.75%	
	Glass jars	0.40	0.28	0.48	0.46	0.40	2.91%	1.94%	2.97%	2.30%	2.31%	
	Other glass	0.09	0.00	0.03	0.00	0.01	0.66%	0.00%	0.17%	0.00%	0.06%	
Glass	Sub-total	1.51	1.19	1.33	1.89	1.59	11.00%	8.32%	8.32%	9.38%	9.12%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.10	0.38	0.00	0.07	0.00%	0.72%	2.40%	0.00%	0.40%	
	Other misc.non.comb	0.28	0.01	0.14	0.02	0.05	2.07%	0.09%	0.88%	0.12%	0.31%	
Miscellaneous Non-combustibles	Sub-total	0.28	0.12	0.52	0.02	0.12	2.07%	0.82%	3.28%	0.12%	0.71%	
Ferrous Metal	Ferrous food cans	0.34	0.24	0.41	0.58	0.44	2.48%	1.71%	2.56%	2.87%	2.52%	
	Ferrous beverage cans	0.11	0.06	0.04	0.14	0.10	0.82%	0.44%	0.24%	0.68%	0.59%	
	Ferrous aerosols	0.02	0.04	0.04	0.03	0.04	0.17%	0.29%	0.25%	0.17%	0.21%	
	Other ferrous metal	0.09	0.28	0.11	0.00	0.10	0.64%	1.93%	0.67%	0.00%	0.59%	
Ferrous Metal	Sub-total	0.56	0.62	0.60	0.75	0.68	4.11%	4.37%	3.72%	3.73%	3.91%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.01	0.01	0.02	0.01	0.07%	0.06%	0.03%	0.08%	0.07%	
	Non-ferrous beverage cans	0.18	0.11	0.08	0.16	0.14	1.28%	0.78%	0.48%	0.80%	0.80%	
	Non-ferrous aerosols	0.01	0.02	0.02	0.04	0.03	0.06%	0.16%	0.13%	0.18%	0.16%	
	Other non-ferrous metal	0.09	0.06	0.06	0.10	0.09	0.64%	0.45%	0.40%	0.52%	0.50%	
Non-ferrous Metal	Sub-total	0.28	0.21	0.17	0.32	0.27	2.04%	1.45%	1.05%	1.57%	1.53%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.23	0.00	0.00	0.00	0.02	1.66%	0.00%	0.00%	0.00%	0.11%	
	IT & Telecoms Equip.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.07%	0.00%	0.01%	
	Consumer Equip.	0.15	0.35	0.00	0.00	0.12	1.08%	2.46%	0.00%	0.00%	0.69%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.04	0.00	0.04	0.04	0.03	0.30%	0.00%	0.26%	0.20%	0.16%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.06	0.01	0.07	0.00	0.01	0.41%	0.04%	0.46%	0.00%	0.08%	
WEEE	Sub-total	0.47	0.36	0.13	0.04	0.18	3.46%	2.49%	0.80%	0.20%	1.06%	
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.07%	0.04%	0.07%	0.01%	0.03%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.04	0.03	0.11%	0.05%	0.08%	0.20%	0.15%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.06	0.05	0.03	0.00	0.02	0.40%	0.32%	0.18%	0.00%	0.12%	
Hazardous	Sub-total	0.08	0.06	0.05	0.04	0.05	0.58%	0.42%	0.33%	0.21%	0.30%	
Organic Catering	Home Compostable food	1.28	1.48	0.95	2.17	1.76	9.31%	10.36%	5.93%	10.76%	10.13%	
	Unused home compostable food	0.28	0.18	0.64	0.52	0.41	2.03%	1.27%	3.98%	2.61%	2.35%	
	Non-home compostable food	0.81	0.81	0.78	2.41	1.62	5.88%	5.65%	4.86%	11.96%	9.31%	
	Unused non-home compostable food	0.35	0.30	0.59	0.53	0.45	2.56%	2.10%	3.69%	2.62%	2.58%	
Organic Catering	Sub-total	2.72	2.77	2.95	5.63	4.24	19.78%	19.37%	18.45%	27.95%	24.37%	
Organic Non-catering	Garden	0.77	1.42	1.55	0.91	1.12	5.60%	9.90%	9.69%	4.52%	6.42%	
	Soil	0.06	0.07	0.16	0.04	0.06	0.40%	0.46%	1.01%	0.18%	0.34%	
	Other organic	0.15	0.00	0.63	0.03	0.09	1.09%	0.00%	3.96%	0.16%	0.53%	
Organic Non-catering	Sub-total	0.97	1.48	2.35	0.98	1.27	7.09%	10.37%	14.66%	4.86%	7.28%	
Fines	Material less than 10mm	0.26	0.39	0.53	0.55	0.48	1.88%	2.76%	3.31%	2.74%	2.74%	
	Sub-total	0.26	0.39	0.53	0.55	0.48	1.88%	2.76%	3.31%	2.74%	2.74%	
TOTAL		13.73	14.30	16.00	20.13	17.38	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Combined Kerbside Waste Streams, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	1.03	1.12	0.98	1.34	1.21	7.20%	7.25%	7.69%	8.41%	7.90%	
	Magazines	0.69	0.34	0.77	0.45	0.47	4.83%	2.22%	6.01%	2.83%	3.06%	
	Other recyclable paper	0.28	0.21	0.36	0.46	0.36	1.97%	1.34%	2.83%	2.86%	2.31%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.66	0.64	0.52	0.30	0.46	4.62%	4.15%	4.06%	1.87%	2.97%	
Paper	Sub-total	2.65	2.32	2.63	2.55	2.50	18.62%	14.95%	20.59%	15.97%	16.24%	
Card	Liquid cartons	0.05	0.03	0.03	0.01	0.02	0.37%	0.17%	0.20%	0.06%	0.13%	
	Board packaging	0.31	0.21	0.59	0.49	0.40	2.21%	1.37%	4.62%	3.08%	2.61%	
	Card packaging	0.65	0.54	0.60	0.61	0.59	4.55%	3.50%	4.70%	3.79%	3.83%	
	Other card	0.02	0.04	0.00	0.07	0.05	0.16%	0.25%	0.02%	0.41%	0.31%	
Card	Sub-total	1.04	0.82	1.22	1.17	1.06	7.28%	5.29%	9.54%	7.34%	6.88%	
Dense Plastic	Plastic Bottles:	PET	0.24	0.13	0.17	0.16	0.16	1.68%	0.83%	1.32%	0.99%	1.02%
		PET Coloured	0.02	0.03	0.03	0.05	0.04	0.13%	0.22%	0.22%	0.29%	0.25%
		HDPE	0.12	0.06	0.10	0.19	0.14	0.85%	0.40%	0.77%	1.21%	0.90%
		HDPE Coloured	0.07	0.07	0.06	0.06	0.07	0.48%	0.46%	0.46%	0.39%	0.42%
		Other	0.04	0.01	0.02	0.01	0.01	0.31%	0.06%	0.19%	0.06%	0.09%
	Other packaging	0.36	0.33	0.22	0.38	0.35	2.55%	2.11%	1.73%	2.41%	2.27%	
Dense Plastic	Sub-total	0.52	0.41	0.13	0.18	0.27	3.62%	2.64%	1.05%	1.11%	1.78%	
Plastic Film	Packaging film	0.28	0.37	0.29	0.46	0.40	1.96%	2.38%	2.26%	2.85%	2.59%	
	Other plastic film	0.29	0.47	0.17	0.42	0.40	2.02%	3.00%	1.33%	2.62%	2.59%	
Plastic Film	Sub-total	0.57	0.83	0.46	0.87	0.79	3.97%	5.38%	3.59%	5.47%	5.17%	
Textiles	Textiles	0.24	0.77	0.25	0.30	0.43	1.71%	4.99%	1.99%	1.85%	2.82%	
	Shoes	0.13	0.14	0.00	0.04	0.08	0.94%	0.87%	0.00%	0.28%	0.49%	
Textiles	Sub-total	0.38	0.91	0.25	0.34	0.51	2.64%	5.86%	1.99%	2.13%	3.31%	
Miscellaneous Combustibles	Treated wood	0.04	0.07	0.01	0.07	0.06	0.26%	0.45%	0.07%	0.42%	0.39%	
	Untreated wood	0.00	0.00	0.01	0.09	0.05	0.00%	0.03%	0.06%	0.56%	0.31%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.07	0.63	0.19	1.06	0.76	0.49%	4.05%	1.47%	6.63%	4.92%	
	Other misc. comb.	0.05	0.04	0.01	0.08	0.06	0.38%	0.29%	0.08%	0.48%	0.38%	
	Carpet and underlay	0.02	0.00	0.03	0.00	0.01	0.14%	0.00%	0.26%	0.02%	0.04%	
Miscellaneous Combustibles	Sub-total	0.18	0.75	0.25	1.29	0.93	1.28%	4.81%	1.94%	8.10%	6.04%	
Glass	Glass bottles	1.03	0.50	1.04	0.43	0.56	7.20%	3.20%	8.13%	2.71%	3.66%	
	Glass jars	0.23	0.19	0.20	0.24	0.22	1.64%	1.24%	1.58%	1.51%	1.44%	
	Other glass	0.06	0.02	0.00	0.06	0.04	0.45%	0.14%	0.00%	0.38%	0.28%	
Glass	Sub-total	1.32	0.71	1.24	0.74	0.83	9.30%	4.59%	9.71%	4.61%	5.39%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.12	0.00	0.04	0.06	0.00%	0.77%	0.00%	0.27%	0.38%	
	Other misc.non.comb	0.24	0.57	0.05	0.13	0.27	1.67%	3.66%	0.36%	0.84%	1.74%	
Miscellaneous Non-combustibles	Sub-total	0.24	0.69	0.05	0.18	0.33	1.67%	4.43%	0.36%	1.11%	2.12%	
Ferrous Metal	Ferrous food cans	0.22	0.12	0.30	0.31	0.25	1.54%	0.80%	2.34%	1.95%	1.60%	
	Ferrous beverage cans	0.03	0.03	0.16	0.08	0.06	0.18%	0.16%	1.29%	0.47%	0.42%	
	Ferrous aerosols	0.03	0.05	0.01	0.01	0.02	0.23%	0.29%	0.10%	0.06%	0.15%	
	Other ferrous metal	0.13	0.07	0.04	0.11	0.09	0.92%	0.42%	0.31%	0.69%	0.60%	
Ferrous Metal	Sub-total	0.41	0.26	0.51	0.51	0.42	2.87%	1.68%	4.04%	3.18%	2.76%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.01	0.01	0.00	0.03%	0.00%	0.06%	0.04%	0.03%	
	Non-ferrous beverage cans	0.05	0.06	0.11	0.09	0.08	0.38%	0.39%	0.87%	0.57%	0.52%	
	Non-ferrous aerosols	0.03	0.01	0.01	0.01	0.01	0.18%	0.08%	0.07%	0.04%	0.07%	
	Other non-ferrous metal	0.04	0.10	0.18	0.10	0.10	0.30%	0.63%	1.44%	0.61%	0.66%	
Non-ferrous Metal	Sub-total	0.13	0.17	0.31	0.20	0.20	0.88%	1.10%	2.43%	1.26%	1.28%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.13	0.00	0.00	0.04	0.00%	0.85%	0.00%	0.00%	0.26%	
	IT & Telecoms Equip.	0.00	0.00	0.03	0.00	0.00	0.01%	0.00%	0.23%	0.01%	0.02%	
	Consumer Equip.	0.00	0.03	0.01	0.26	0.14	0.00%	0.19%	0.04%	1.60%	0.91%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.05	0.00	0.00	0.02	0.02	0.35%	0.00%	0.00%	0.14%	0.10%	
	Lighting	0.04	0.00	0.01	0.01	0.01	0.25%	0.00%	0.08%	0.07%	0.06%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.01	0.06	0.03	0.00%	0.00%	0.07%	0.40%	0.22%	
WEEE	Sub-total	0.09	0.16	0.05	0.36	0.24	0.61%	1.04%	0.42%	2.23%	1.59%	
Hazardous	Household batteries	0.02	0.00	0.01	0.01	0.01	0.14%	0.02%	0.06%	0.07%	0.06%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.01	0.00	0.02	0.02	0.01%	0.09%	0.00%	0.15%	0.11%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.16	0.11	0.13	0.08	0.10	1.05%	0.73%	1.03%	0.49%	0.66%	
Hazardous	Sub-total	0.18	0.13	0.14	0.11	0.13	1.25%	0.85%	1.09%	0.71%	0.83%	
Organic Catering	Home Compostable food	1.18	1.20	1.03	1.69	1.43	8.32%	7.74%	8.05%	10.55%	9.30%	
	Unused home compostable food	0.69	0.33	0.28	0.61	0.50	4.86%	2.14%	2.17%	3.80%	3.24%	
	Non-home compostable food	0.93	1.06	0.59	1.19	1.07	6.53%	6.82%	4.66%	7.46%	6.96%	
	Unused non-home compostable food	0.87	0.84	0.81	0.86	0.85	6.08%	5.44%	6.31%	5.40%	5.54%	
Organic Catering	Sub-total	3.67	3.43	2.71	4.35	3.85	25.79%	22.13%	21.20%	27.20%	25.03%	
Organic Non-catering	Garden	1.58	2.81	1.62	1.40	1.87	11.11%	18.13%	12.69%	8.76%	12.17%	
	Soil	0.03	0.02	0.10	0.68	0.36	0.20%	0.12%	0.79%	4.25%	2.37%	
	Other organic	0.30	0.02	0.36	0.14	0.14	2.14%	0.15%	2.81%	0.87%	0.91%	
Organic Non-catering	Sub-total	1.92	2.85	2.08	2.22	2.37	13.45%	18.41%	16.30%	13.87%	15.44%	
Fines	Material less than 10mm	0.11	0.43	0.14	0.06	0.18	0.75%	2.74%	1.08%	0.36%	1.19%	
	Fines	Sub-total	0.11	0.43	0.14	0.06	0.18	0.75%	2.74%	1.08%	0.36%	1.19%
TOTAL		14.24	15.50	12.76	15.98	15.37	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley Combined Kerbside Waste Streams, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	KNO	1	3	4	5	KNO	
Paper	Newspapers	0.95	0.90	1.04	1.35	1.15	6.78%	6.05%	7.26%	7.47%	7.01%	
	Magazines	0.54	0.31	0.57	0.64	0.52	3.87%	2.10%	3.94%	3.54%	3.20%	
	Other recyclable paper	0.40	0.36	0.42	0.41	0.40	2.84%	2.42%	2.90%	2.30%	2.42%	
	Paper packaging	0.00	0.00	0.03	0.01	0.01	0.03%	0.01%	0.23%	0.07%	0.07%	
	Non-recyclable paper	0.64	0.66	0.60	0.61	0.63	4.58%	4.42%	4.16%	3.39%	3.83%	
Paper	Sub-total	2.53	2.23	2.66	3.03	2.71	18.10%	14.99%	18.51%	16.77%	16.52%	
Card	Liquid cartons	0.04	0.03	0.03	0.02	0.02	0.26%	0.23%	0.18%	0.09%	0.15%	
	Board packaging	0.44	0.35	0.42	0.42	0.40	3.16%	2.33%	2.94%	2.32%	2.44%	
	Card packaging	0.66	0.61	0.59	0.72	0.67	4.75%	4.11%	4.12%	3.96%	4.07%	
	Other card	0.06	0.03	0.01	0.05	0.04	0.43%	0.17%	0.09%	0.28%	0.24%	
Card	Sub-total	1.20	1.02	1.05	1.20	1.13	8.61%	6.84%	7.33%	6.65%	6.91%	
Dense Plastic	Plastic Bottles:	PET	0.20	0.14	0.17	0.26	0.21	1.46%	0.95%	1.16%	1.43%	1.27%
		PET Coloured	0.03	0.08	0.03	0.11	0.09	0.21%	0.52%	0.24%	0.63%	0.53%
		HDPE	0.14	0.10	0.10	0.18	0.14	1.00%	0.64%	0.69%	0.97%	0.86%
		HDPE Coloured	0.06	0.07	0.06	0.05	0.06	0.46%	0.49%	0.43%	0.30%	0.38%
		Other	0.03	0.01	0.02	0.03	0.02	0.23%	0.06%	0.16%	0.16%	0.14%
	Other packaging	0.41	0.38	0.32	0.42	0.40	2.93%	2.52%	2.25%	2.34%	2.43%	
Other dense plastic	0.39	0.46	0.17	0.36	0.37	2.82%	3.07%	1.21%	1.98%	2.28%		
Dense Plastic	Sub-total	1.28	1.23	0.88	1.41	1.29	9.12%	8.25%	6.13%	7.80%	7.88%	
Plastic Film	Packaging film	0.29	0.31	0.32	0.57	0.44	2.06%	2.10%	2.25%	3.18%	2.72%	
	Other plastic film	0.29	0.44	0.31	0.44	0.41	2.11%	2.96%	2.17%	2.43%	2.53%	
Plastic Film	Sub-total	0.58	0.75	0.64	1.01	0.86	4.17%	5.06%	4.42%	5.61%	5.25%	
Textiles	Textiles	0.21	0.46	0.44	0.31	0.36	1.51%	3.09%	3.09%	1.73%	2.21%	
	Shoes	0.07	0.15	0.02	0.03	0.07	0.48%	0.98%	0.12%	0.18%	0.42%	
Textiles	Sub-total	0.28	0.61	0.46	0.35	0.43	1.99%	4.07%	3.21%	1.91%	2.63%	
Miscellaneous Combustibles	Treated wood	0.03	0.18	0.09	0.11	0.12	0.20%	1.22%	0.65%	0.61%	0.75%	
	Untreated wood	0.00	0.01	0.00	0.06	0.03	0.00%	0.06%	0.03%	0.31%	0.19%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.32	0.78	0.52	1.29	0.98	2.28%	5.26%	3.61%	7.15%	5.96%	
	Other misc. comb.	0.08	0.07	0.02	0.08	0.07	0.58%	0.44%	0.14%	0.43%	0.42%	
	Carpet and underlay	0.09	0.00	0.12	0.06	0.05	0.62%	0.00%	0.84%	0.33%	0.30%	
Miscellaneous Combustibles	Sub-total	0.51	1.04	0.76	1.59	1.25	3.68%	6.98%	5.27%	8.83%	7.63%	
Glass	Glass bottles	1.02	0.70	0.93	0.93	0.87	7.32%	4.73%	6.49%	5.15%	5.30%	
	Glass jars	0.32	0.23	0.34	0.35	0.31	2.26%	1.58%	2.36%	1.95%	1.90%	
	Other glass	0.08	0.01	0.01	0.03	0.03	0.56%	0.08%	0.09%	0.17%	0.17%	
Glass	Sub-total	1.42	0.95	1.29	1.31	1.21	10.13%	6.38%	8.94%	7.27%	7.37%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.11	0.19	0.02	0.06	0.00%	0.75%	1.33%	0.12%	0.39%	
	Other misc.non.comb	0.26	0.29	0.09	0.08	0.16	1.86%	1.95%	0.65%	0.44%	0.98%	
Miscellaneous Non-combustibles	Sub-total	0.26	0.40	0.28	0.10	0.22	1.86%	2.70%	1.98%	0.56%	1.37%	
Ferrous Metal	Ferrous food cans	0.28	0.18	0.35	0.45	0.34	2.00%	1.23%	2.46%	2.47%	2.09%	
	Ferrous beverage cans	0.07	0.04	0.10	0.11	0.08	0.49%	0.30%	0.71%	0.59%	0.51%	
	Ferrous aerosols	0.03	0.04	0.03	0.02	0.03	0.20%	0.29%	0.18%	0.12%	0.18%	
	Other ferrous metal	0.11	0.17	0.07	0.06	0.10	0.78%	1.15%	0.51%	0.31%	0.59%	
Ferrous Metal	Sub-total	0.49	0.44	0.56	0.63	0.55	3.48%	2.97%	3.86%	3.48%	3.37%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.01	0.01	0.01	0.05%	0.03%	0.04%	0.06%	0.05%	
	Non-ferrous beverage cans	0.11	0.09	0.09	0.13	0.11	0.82%	0.58%	0.66%	0.70%	0.67%	
	Non-ferrous aerosols	0.02	0.02	0.01	0.02	0.02	0.12%	0.12%	0.10%	0.12%	0.12%	
	Other non-ferrous metal	0.06	0.08	0.12	0.10	0.09	0.46%	0.54%	0.86%	0.56%	0.57%	
Non-ferrous Metal	Sub-total	0.20	0.19	0.24	0.26	0.23	1.45%	1.27%	1.66%	1.43%	1.41%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.11	0.07	0.00	0.00	0.03	0.81%	0.44%	0.00%	0.00%	0.18%	
	IT & Telecoms Equip.	0.00	0.00	0.02	0.00	0.00	0.00%	0.00%	0.14%	0.00%	0.01%	
	Consumer Equip.	0.07	0.19	0.00	0.13	0.13	0.53%	1.28%	0.02%	0.71%	0.80%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.03	0.00	0.00	0.01	0.01	0.18%	0.00%	0.00%	0.06%	0.05%	
	Lighting	0.04	0.00	0.03	0.03	0.02	0.28%	0.00%	0.18%	0.14%	0.12%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.03	0.00	0.04	0.03	0.02	0.21%	0.02%	0.29%	0.18%	0.14%	
WEEE	Sub-total	0.28	0.26	0.09	0.20	0.21	2.01%	1.74%	0.63%	1.10%	1.30%	
Hazardous	Household batteries	0.02	0.00	0.01	0.01	0.01	0.11%	0.03%	0.07%	0.04%	0.04%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.03	0.02	0.06%	0.07%	0.05%	0.18%	0.13%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.11	0.08	0.08	0.04	0.06	0.76%	0.53%	0.56%	0.22%	0.37%	
Hazardous	Sub-total	0.13	0.10	0.10	0.08	0.09	0.92%	0.64%	0.67%	0.43%	0.55%	
Organic Catering	Home Compostable food	1.23	1.34	0.99	1.93	1.59	8.81%	8.99%	6.87%	10.67%	9.74%	
	Unused home compostable food	0.49	0.26	0.46	0.57	0.45	3.47%	1.72%	3.18%	3.13%	2.77%	
	Non-home compostable food	0.87	0.93	0.69	1.80	1.34	6.21%	6.26%	4.77%	9.97%	8.21%	
	Unused non-home compostable food	0.61	0.57	0.70	0.69	0.65	4.35%	3.84%	4.85%	3.85%	3.97%	
Organic Catering	Sub-total	3.19	3.10	2.83	4.99	4.04	22.84%	20.81%	19.67%	27.62%	24.68%	
Organic Non-catering	Garden	1.18	2.11	1.58	1.15	1.49	8.40%	14.18%	11.02%	6.39%	9.12%	
	Soil	0.04	0.04	0.13	0.36	0.21	0.30%	0.28%	0.91%	1.98%	1.29%	
	Other organic	0.23	0.01	0.50	0.09	0.12	1.62%	0.08%	3.45%	0.48%	0.71%	
Organic Non-catering	Sub-total	1.44	2.17	2.21	1.60	1.82	10.33%	14.55%	15.39%	8.85%	11.11%	
Fines	Material less than 10mm	0.18	0.41	0.33	0.30	0.33	1.30%	2.75%	2.32%	1.68%	2.01%	
	Fines	Sub-total	0.18	0.41	0.33	0.30	0.33	1.30%	2.75%	2.32%	1.68%	2.01%
TOTAL		13.98	14.90	14.38	18.05	16.37	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix A

Knowsley BMW, Study Averages											
Material sub-category	BMW Content	Arisings, kg/hh/wk					Assay, %				
		RW	GW	DR	FW	Combined	RW	GW	DR	FW	Combined
Newspapers	100%	0.55	0.02	0.58	0.00	1.15	4.6%	1.1%	22.1%	0.1%	7.0%
Magazines	100%	0.25	0.00	0.27	0.00	0.52	2.1%	0.0%	10.5%	0.0%	3.2%
Other recyclable paper	100%	0.26	0.01	0.13	0.00	0.40	2.2%	0.6%	4.8%	0.0%	2.4%
Paper packaging	100%	0.01	0.00	0.00	0.00	0.01	0.1%	0.0%	0.0%	0.0%	0.1%
Non-recyclable paper	100%	0.51	0.00	0.12	0.00	0.63	4.3%	0.2%	4.4%	0.1%	3.8%
Liquid cartons	100%	0.02	0.00	0.00	0.00	0.02	0.2%	0.0%	0.2%	0.0%	0.2%
Board packaging	100%	0.22	0.00	0.18	0.00	0.40	1.8%	0.0%	6.8%	0.0%	2.4%
Card packaging	100%	0.46	0.00	0.21	0.00	0.67	3.8%	0.0%	8.0%	0.0%	4.1%
Other card	100%	0.03	0.00	0.01	0.00	0.04	0.2%	0.0%	0.4%	0.0%	0.2%
Plastic Bottles: PET	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
PET Coloured	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
HDPE	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
HDPE Coloured	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other packaging	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other dense plastic	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Packaging film	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other packaging film	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Textiles	50%	0.17	0.01	0.00	0.00	0.18	1.4%	0.8%	0.1%	0.0%	1.1%
Shoes	50%	0.03	0.00	0.00	0.00	0.03	0.3%	0.0%	0.0%	0.0%	0.2%
Treated wood	50%	0.05	0.00	0.00	0.00	0.06	0.4%	0.3%	0.2%	0.0%	0.4%
Untreated wood	50%	0.01	0.01	0.00	0.00	0.02	0.1%	0.5%	0.0%	0.0%	0.1%
Furniture	50%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Nappies/ Sanitary	50%	0.48	0.00	0.01	0.00	0.49	4.0%	0.0%	2.2%	0.0%	3.0%
Other misc. comb.	50%	0.03	0.00	0.00	0.00	0.03	0.3%	0.0%	0.1%	0.0%	0.2%
Carpet and underlay	50%	0.02	0.00	0.00	0.00	0.02	0.2%	0.0%	0.0%	0.0%	0.2%
Glass bottles	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Glass jars	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other glass	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Construction and demolition	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other misc.non.comb	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous food cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other ferrous metal	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous food cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other non-ferrous metal	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Fridges, Freezers	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Large hh Appliances	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Small hh Appliances	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
IT & Telecoms Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Consumer Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Elec. & Electronic Tools	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Toys, Leisure & Sports Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Lighting	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Monitoring & Ctl. Inst.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other WEEE	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Household batteries	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Car batteries	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Identifiable clinical waste	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Engine oil	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other pntl. haz.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Home compostable food	100%	1.48	0.00	0.01	0.11	1.59	12.4%	0.0%	0.3%	48.2%	9.7%
Unused home compostable food	100%	0.42	0.00	0.00	0.03	0.45	3.6%	0.0%	0.0%	12.8%	2.8%
Non-home compostable food	100%	1.25	0.00	0.01	0.08	1.34	10.5%	0.0%	0.4%	34.8%	8.2%
Unused non-home compostable food	100%	0.64	0.00	0.00	0.01	0.65	5.4%	0.0%	0.1%	4.1%	4.0%
Garden	100%	0.16	1.32	0.01	0.00	1.49	1.4%	81.4%	0.6%	0.0%	9.1%
Soil	100%	0.01	0.20	0.00	0.00	0.21	0.1%	12.7%	0.0%	0.0%	1.3%
Other organic	100%	0.11	0.00	0.00	0.00	0.12	1.0%	0.0%	0.1%	0.0%	0.7%
Material less than 10mm	50%	0.14	0.00	0.02	0.00	0.16	1.2%	0.0%	0.8%	0.0%	1.0%
Totals		7.33	1.58	1.57	0.23	10.70	61.5%	97.6%	60.2%	100.0%	65.4%



Appendix A

Appendix B Liverpool Tables



Appendix B

Entec

Creating the environment for business



Appendix B

Liverpool Residual Waste, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	0.42	0.41	0.55	0.73	0.58	3.86%	2.76%	3.90%	6.83%	4.73%	
	Magazines	0.34	0.67	0.25	0.12	0.29	3.06%	4.50%	1.81%	1.17%	2.37%	
	Other recyclable paper	0.39	0.42	0.70	0.35	0.45	3.58%	2.83%	5.00%	3.30%	3.65%	
	Paper packaging	0.02	0.02	0.00	0.04	0.02	0.15%	0.15%	0.00%	0.38%	0.20%	
	Non-recyclable paper	0.59	0.81	0.47	0.90	0.74	5.32%	5.41%	3.32%	8.40%	6.00%	
Paper	Sub-total	1.76	2.35	1.97	2.15	2.09	15.97%	15.65%	14.03%	20.07%	16.96%	
Card	Liquid cartons	0.03	0.04	0.01	0.04	0.03	0.24%	0.30%	0.08%	0.36%	0.26%	
	Board packaging	0.12	0.15	0.10	0.20	0.16	1.06%	0.98%	0.70%	1.87%	1.26%	
	Card packaging	0.30	0.34	0.46	0.36	0.37	2.76%	2.24%	3.27%	3.35%	2.99%	
	Other card	0.05	0.08	0.07	0.00	0.04	0.42%	0.52%	0.52%	0.00%	0.31%	
Card	Sub-total	0.49	0.61	0.64	0.60	0.59	4.49%	4.04%	4.58%	5.58%	4.82%	
Dense Plastic	Plastic Bottles:	PET	0.16	0.15	0.27	0.21	0.20	1.46%	0.99%	1.95%	1.94%	1.65%
		PET Coloured	0.02	0.04	0.03	0.00	0.02	0.19%	0.24%	0.19%	0.02%	0.14%
		HDPE	0.07	0.04	0.11	0.15	0.11	0.63%	0.27%	0.78%	1.38%	0.86%
		HDPE Coloured	0.05	0.07	0.05	0.04	0.05	0.41%	0.45%	0.38%	0.36%	0.39%
		Other	0.01	0.01	0.01	0.03	0.02	0.09%	0.04%	0.05%	0.31%	0.15%
	Other packaging	0.36	0.68	0.27	0.22	0.34	3.29%	4.55%	1.92%	2.09%	2.79%	
Other dense plastic	0.27	0.51	0.19	0.18	0.26	2.46%	3.39%	1.37%	1.70%	2.12%		
Dense Plastic	Sub-total	0.94	1.49	0.93	0.83	1.00	8.52%	9.93%	6.63%	7.80%	8.11%	
Plastic Film	Packaging film	0.40	0.55	0.58	0.27	0.41	3.60%	3.65%	4.15%	2.56%	3.36%	
	Other plastic film	0.29	0.34	0.48	0.23	0.32	2.61%	2.29%	3.40%	2.15%	2.56%	
Plastic Film	Sub-total	0.68	0.89	1.06	0.50	0.73	6.21%	5.94%	7.56%	4.71%	5.92%	
Textiles	Textiles	0.36	0.61	0.47	0.12	0.33	3.28%	4.04%	3.34%	1.12%	2.66%	
	Shoes	0.03	0.02	0.10	0.00	0.03	0.28%	0.11%	0.71%	0.00%	0.24%	
Textiles	Sub-total	0.39	0.62	0.57	0.12	0.36	3.56%	4.15%	4.05%	1.12%	2.90%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.02	0.01	0.03%	0.00%	0.00%	0.16%	0.07%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.78	0.44	1.15	1.80	1.24	7.11%	2.93%	8.20%	16.84%	10.08%	
	Other misc. comb.	0.09	0.10	0.18	0.05	0.10	0.85%	0.69%	1.30%	0.50%	0.79%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.88	0.54	1.34	1.87	1.35	7.99%	3.63%	9.50%	17.50%	10.94%	
Glass	Glass bottles	0.37	0.45	0.33	0.66	0.51	3.39%	3.00%	2.35%	6.19%	4.10%	
	Glass jars	0.08	0.12	0.05	0.11	0.10	0.71%	0.82%	0.32%	1.06%	0.77%	
	Other glass	0.03	0.05	0.01	0.02	0.03	0.25%	0.36%	0.10%	0.20%	0.22%	
Glass	Sub-total	0.48	0.63	0.39	0.80	0.63	4.36%	4.18%	2.78%	7.46%	5.09%	
Miscellaneous Non-combustibles	Construction and demolition	0.17	0.00	0.73	0.00	0.19	1.59%	0.00%	5.16%	0.00%	1.51%	
	Other misc.non.comb	0.11	0.27	0.02	0.02	0.08	0.98%	1.77%	0.13%	0.23%	0.67%	
Miscellaneous Non-combustibles	Sub-total	0.28	0.27	0.74	0.02	0.27	2.57%	1.77%	5.29%	0.23%	2.18%	
Ferrous Metal	Ferrous food cans	0.15	0.12	0.30	0.15	0.18	1.32%	0.79%	2.14%	1.42%	1.44%	
	Ferrous beverage cans	0.05	0.04	0.09	0.09	0.08	0.50%	0.29%	0.65%	0.82%	0.61%	
	Ferrous aerosols	0.03	0.02	0.06	0.03	0.03	0.25%	0.14%	0.44%	0.23%	0.27%	
	Other ferrous metal	0.03	0.07	0.00	0.03	0.03	0.29%	0.45%	0.00%	0.32%	0.27%	
Ferrous Metal	Sub-total	0.26	0.25	0.46	0.30	0.32	2.36%	1.68%	3.24%	2.79%	2.58%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.01	0.00	0.00	0.02%	0.01%	0.05%	0.00%	0.02%	
	Non-ferrous beverage cans	0.04	0.05	0.07	0.03	0.04	0.37%	0.34%	0.49%	0.27%	0.35%	
	Non-ferrous aerosols	0.02	0.03	0.05	0.02	0.03	0.22%	0.18%	0.32%	0.15%	0.21%	
	Other non-ferrous metal	0.09	0.13	0.09	0.09	0.10	0.81%	0.89%	0.67%	0.82%	0.80%	
Non-ferrous Metal	Sub-total	0.16	0.21	0.21	0.13	0.17	1.42%	1.42%	1.52%	1.24%	1.38%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.07	0.20	0.00	0.00	0.05	0.68%	1.34%	0.00%	0.00%	0.41%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.17	0.00	0.00	0.90	0.42	1.55%	0.00%	0.00%	8.40%	3.38%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.07	0.10	0.00	0.19	0.11	0.67%	0.66%	0.00%	1.80%	0.93%	
	Lighting	0.05	0.14	0.00	0.00	0.03	0.46%	0.91%	0.00%	0.00%	0.28%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.37	0.44	0.00	1.09	0.62	3.36%	2.91%	0.00%	10.20%	5.00%	
Hazardous	Household batteries	0.01	0.02	0.01	0.00	0.01	0.09%	0.11%	0.10%	0.00%	0.06%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.04	0.10	0.00	0.00	0.03	0.36%	0.69%	0.02%	0.00%	0.22%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.15	0.00	0.64	0.00	0.16	1.40%	0.00%	4.54%	0.00%	1.33%	
Hazardous	Sub-total	0.20	0.12	0.66	0.00	0.20	1.84%	0.80%	4.66%	0.00%	1.61%	
Organic Catering	Home Compostable food	1.11	1.57	1.51	0.86	1.18	10.11%	10.46%	10.76%	8.06%	9.58%	
	Unused home compostable food	0.48	0.59	0.97	0.13	0.46	4.35%	3.92%	6.90%	1.26%	3.72%	
	Non-home compostable food	1.28	1.94	1.73	0.76	1.28	11.67%	12.95%	12.30%	7.08%	10.39%	
	Unused non-home compostable food	0.14	0.14	0.27	0.13	0.17	1.30%	0.94%	1.95%	1.22%	1.35%	
Organic Catering	Sub-total	3.02	4.24	4.49	1.88	3.09	27.43%	28.27%	31.91%	17.62%	25.04%	
Organic Non-catering	Garden	0.62	1.64	0.02	0.02	0.42	5.63%	10.93%	0.15%	0.15%	3.44%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.62	1.64	0.02	0.02	0.42	5.63%	10.93%	0.15%	0.15%	3.44%	
Fines	Material less than 10mm	0.47	0.70	0.58	0.38	0.50	4.29%	4.68%	4.10%	3.53%	4.05%	
Fines	Sub-total	0.47	0.70	0.58	0.38	0.50	4.29%	4.68%	4.10%	3.53%	4.05%	
TOTAL		11.01	14.99	14.06	10.69	12.34	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Residual Waste, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	0.81	0.20	1.21	0.43	0.61	5.96%	1.60%	10.35%	4.06%	5.26%	
	Magazines	0.32	0.23	0.22	0.16	0.21	2.34%	1.89%	1.87%	1.48%	1.79%	
	Other recyclable paper	0.13	0.22	0.03	0.00	0.07	0.97%	1.76%	0.28%	0.04%	0.61%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.49	0.95	0.23	0.29	0.43	3.63%	7.68%	1.95%	2.68%	3.72%	
Paper	Sub-total	1.76	1.60	1.69	0.88	1.33	12.89%	12.93%	14.45%	8.26%	11.39%	
Card	Liquid cartons	0.01	0.02	0.03	0.01	0.02	0.07%	0.18%	0.26%	0.08%	0.14%	
	Board packaging	0.58	0.11	0.33	0.27	0.30	4.27%	0.89%	2.79%	2.57%	2.54%	
	Card packaging	0.54	0.37	0.26	0.32	0.35	3.97%	3.03%	2.22%	3.01%	2.99%	
	Other card	0.02	0.00	0.04	0.02	0.02	0.18%	0.00%	0.31%	0.23%	0.19%	
Card	Sub-total	1.16	0.51	0.65	0.63	0.68	8.49%	4.10%	5.56%	5.88%	5.86%	
Dense Plastic	Plastic Bottles:	PET	0.23	0.13	0.48	0.30	0.30	1.67%	1.05%	4.08%	2.81%	2.54%
		PET Coloured	0.01	0.01	0.01	0.00	0.01	0.07%	0.06%	0.09%	0.01%	0.05%
		HDPE	0.23	0.03	0.07	0.10	0.10	1.68%	0.27%	0.59%	0.89%	0.82%
		HDPE Coloured	0.06	0.06	0.02	0.05	0.05	0.43%	0.50%	0.17%	0.43%	0.39%
	Other	0.03	0.00	0.02	0.04	0.03	0.22%	0.02%	0.17%	0.35%	0.22%	
	Other packaging	0.44	0.53	0.28	0.22	0.32	3.26%	4.28%	2.35%	2.02%	2.77%	
Other dense plastic	0.15	0.18	0.15	0.12	0.14	1.09%	1.50%	1.25%	1.09%	1.21%		
Dense Plastic	Sub-total	1.15	0.95	1.02	0.81	0.93	8.42%	7.67%	8.69%	7.60%	7.99%	
Plastic Film	Packaging film	0.35	0.43	0.22	0.18	0.28	2.57%	3.46%	1.83%	1.68%	2.23%	
	Other plastic film	0.33	0.38	0.25	0.35	0.33	2.43%	3.08%	2.15%	3.27%	2.84%	
Plastic Film	Sub-total	0.68	0.81	0.47	0.53	0.59	5.00%	6.54%	3.98%	4.95%	5.08%	
Textiles	Textiles	0.81	0.66	0.21	0.66	0.58	5.93%	5.38%	1.81%	6.16%	4.98%	
	Shoes	0.13	0.15	0.12	0.02	0.09	0.99%	1.25%	1.06%	0.17%	0.73%	
Textiles	Sub-total	0.94	0.82	0.34	0.67	0.66	6.92%	6.63%	2.87%	6.33%	5.71%	
Miscellaneous Combustibles	Treated wood	0.03	0.00	0.00	0.00	0.00	0.23%	0.00%	0.00%	0.00%	0.04%	
	Untreated wood	0.01	0.20	0.01	0.00	0.04	0.07%	1.63%	0.11%	0.00%	0.38%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.83	0.15	0.50	1.60	0.96	6.11%	1.20%	4.28%	15.03%	8.25%	
	Other misc. comb.	0.13	0.12	0.02	0.01	0.05	0.95%	0.98%	0.15%	0.08%	0.43%	
	Carpet and underlay	0.03	0.07	0.00	0.00	0.02	0.23%	0.60%	0.00%	0.00%	0.16%	
Miscellaneous Combustibles	Sub-total	1.03	0.55	0.53	1.61	1.08	7.59%	4.42%	15.11%	9.26%		
Glass	Glass bottles	0.36	0.61	0.58	0.65	0.59	2.68%	4.96%	4.94%	6.14%	5.06%	
	Glass jars	0.28	0.11	0.07	0.20	0.16	2.06%	0.88%	0.61%	1.84%	1.40%	
	Other glass	0.00	0.00	0.04	0.00	0.01	0.00%	0.00%	0.38%	0.00%	0.08%	
Glass	Sub-total	0.65	0.72	0.70	0.85	0.76	4.74%	5.84%	5.93%	7.98%	6.54%	
Miscellaneous Non-combustibles	Construction and demolition	0.18	0.00	0.00	0.00	0.02	1.31%	0.00%	0.00%	0.00%	0.21%	
	Other misc.non.comb	0.02	0.04	0.09	0.00	0.03	0.15%	0.33%	0.77%	0.00%	0.27%	
Miscellaneous Non-combustibles	Sub-total	0.20	0.04	0.09	0.00	0.06	1.46%	0.33%	0.77%	0.00%	0.48%	
Ferrous Metal	Ferrous food cans	0.36	0.07	0.16	0.20	0.19	2.68%	0.59%	1.39%	1.91%	1.64%	
	Ferrous beverage cans	0.04	0.01	0.01	0.02	0.02	0.26%	0.08%	0.09%	0.19%	0.16%	
	Ferrous aerosols	0.02	0.01	0.03	0.01	0.02	0.15%	0.11%	0.27%	0.11%	0.15%	
	Other ferrous metal	0.11	0.09	0.06	0.05	0.07	0.80%	0.77%	0.52%	0.52%	0.62%	
Ferrous Metal	Sub-total	0.53	0.19	0.27	0.29	0.30	3.89%	1.54%	2.27%	2.72%	2.56%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.01%	0.01%	
	Non-ferrous beverage cans	0.07	0.04	0.08	0.04	0.06	0.55%	0.32%	0.69%	0.42%	0.48%	
	Non-ferrous aerosols	0.02	0.01	0.01	0.02	0.01	0.17%	0.10%	0.06%	0.16%	0.13%	
	Other non-ferrous metal	0.07	0.08	0.05	0.05	0.06	0.53%	0.65%	0.42%	0.43%	0.49%	
Non-ferrous Metal	Sub-total	0.17	0.13	0.14	0.11	0.13	1.28%	1.07%	1.16%	1.03%	1.11%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.03	0.00	0.00	0.01	0.00%	0.27%	0.00%	0.00%	0.06%	
	Consumer Equip.	0.32	0.00	0.01	0.66	0.34	2.38%	0.00%	0.12%	6.23%	2.92%	
	Elec. & Electronic Tools	0.49	0.00	0.00	0.00	0.07	3.59%	0.00%	0.00%	0.00%	0.58%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.01	0.01	0.00	0.13	0.06	0.05%	0.06%	0.00%	1.19%	0.50%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.02	0.00	0.05	0.02	0.02	0.13%	0.00%	0.40%	0.18%	0.18%	
WEEE	Sub-total	0.84	0.04	0.06	0.81	0.49	6.15%	0.34%	0.52%	7.60%	4.24%	
Hazardous	Household batteries	0.01	0.00	0.01	0.00	0.00	0.07%	0.03%	0.04%	0.04%	0.04%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.00	0.01	0.04	0.02	0.05%	0.00%	0.05%	0.34%	0.16%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.04	0.02	0.00	0.00	0.01	0.31%	0.20%	0.00%	0.00%	0.09%	
Hazardous	Sub-total	0.06	0.03	0.01	0.04	0.03	0.43%	0.23%	0.09%	0.38%	0.29%	
Organic Catering	Home Compostable food	1.09	1.89	1.29	0.74	1.14	8.00%	15.33%	11.00%	6.93%	9.79%	
	Unused home compostable food	0.42	0.86	1.04	0.32	0.60	3.07%	6.93%	8.83%	3.04%	5.17%	
	Non-home compostable food	0.91	0.77	0.95	0.70	0.80	6.69%	6.25%	8.11%	6.53%	6.85%	
	Unused non-home compostable food	1.17	1.13	0.87	0.88	0.97	8.60%	9.14%	7.45%	8.26%	8.32%	
Organic Catering	Sub-total	3.59	4.65	4.15	2.64	3.51	26.36%	37.66%	35.40%	24.77%	30.14%	
Organic Non-catering	Garden	0.44	0.98	0.46	0.17	0.43	3.22%	7.94%	3.89%	1.55%	3.70%	
	Soil	0.00	0.00	0.54	0.14	0.18	0.00%	0.00%	4.58%	1.27%	1.54%	
	Other organic	0.15	0.05	0.25	0.06	0.11	1.09%	0.41%	2.13%	0.53%	0.95%	
Organic Non-catering	Sub-total	0.59	1.03	1.24	0.36	0.72	4.31%	8.35%	10.61%	3.35%	6.19%	
Fines	Material less than 10mm	0.28	0.29	0.37	0.43	0.37	2.06%	2.35%	3.13%	4.05%	3.16%	
	Sub-total	0.28	0.29	0.37	0.43	0.37	2.06%	2.35%	3.13%	4.05%	3.16%	
TOTAL		13.61	12.34	11.73	10.66	11.64	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Residual Waste, Study Average											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		2	3	4	5	LIV	2	3	4	5	LIV
Paper	Newspapers	0.62	0.31	0.88	0.58	0.60	5.02%	2.24%	6.83%	5.45%	4.99%
	Magazines	0.33	0.45	0.24	0.14	0.25	2.66%	3.32%	1.84%	1.32%	2.09%
	Other recyclable paper	0.26	0.32	0.37	0.18	0.26	2.14%	2.35%	2.86%	1.68%	2.18%
	Paper packaging	0.01	0.01	0.00	0.02	0.01	0.07%	0.08%	0.00%	0.19%	0.10%
	Non-recyclable paper	0.54	0.88	0.35	0.59	0.59	4.39%	6.44%	2.70%	5.54%	4.90%
Paper	Sub-total	1.76	1.97	1.83	1.51	1.71	14.27%	14.42%	14.17%	14.26%	
Card	Liquid cartons	0.02	0.03	0.02	0.02	0.02	0.15%	0.25%	0.16%	0.22%	0.20%
	Board packaging	0.35	0.13	0.21	0.24	0.23	2.84%	0.94%	1.65%	2.22%	1.88%
	Card packaging	0.42	0.36	0.36	0.34	0.36	3.43%	2.60%	2.79%	3.18%	2.99%
	Other card	0.04	0.04	0.05	0.01	0.03	0.29%	0.28%	0.42%	0.12%	0.25%
Card	Sub-total	0.82	0.56	0.65	0.61	0.64	6.70%	4.07%	5.03%	5.73%	5.33%
Dense Plastic	Plastic Bottles: PET	0.19	0.14	0.38	0.25	0.25	1.58%	1.01%	2.91%	2.37%	2.08%
	PET Coloured	0.02	0.02	0.02	0.00	0.01	0.12%	0.16%	0.14%	0.01%	0.09%
	HDPE	0.15	0.04	0.09	0.12	0.10	1.21%	0.27%	0.69%	1.14%	0.84%
	HDPE Coloured	0.05	0.07	0.04	0.04	0.05	0.42%	0.48%	0.28%	0.40%	0.39%
	Other	0.02	0.00	0.01	0.04	0.02	0.16%	0.03%	0.10%	0.33%	0.18%
	Other packaging	0.40	0.61	0.27	0.22	0.33	3.27%	4.43%	2.12%	2.06%	2.78%
	Other dense plastic	0.21	0.35	0.17	0.15	0.20	1.70%	2.54%	1.31%	1.39%	1.68%
Dense Plastic	Sub-total	1.04	1.22	0.98	0.82	0.97	8.47%	8.91%	7.57%	7.70%	8.05%
Plastic Film	Packaging film	0.37	0.49	0.40	0.23	0.34	3.03%	3.57%	3.10%	2.12%	2.81%
	Other plastic film	0.31	0.36	0.37	0.29	0.32	2.51%	2.65%	2.83%	2.71%	2.70%
Plastic Film	Sub-total	0.68	0.85	0.76	0.52	0.66	5.54%	6.21%	5.93%	4.83%	5.51%
Textiles	Textiles	0.58	0.63	0.34	0.39	0.45	4.75%	4.64%	2.64%	3.63%	3.78%
	Shoes	0.08	0.09	0.11	0.01	0.06	0.67%	0.63%	0.87%	0.09%	0.48%
Textiles	Sub-total	0.67	0.72	0.45	0.40	0.51	5.42%	5.27%	3.51%	3.72%	4.26%
Miscellaneous Combustibles	Treated wood	0.02	0.00	0.00	0.01	0.01	0.14%	0.00%	0.00%	0.08%	0.05%
	Untreated wood	0.00	0.10	0.01	0.00	0.02	0.04%	0.74%	0.05%	0.00%	0.18%
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.81	0.29	0.83	1.70	1.10	6.56%	2.15%	6.42%	15.93%	9.19%
	Other misc. comb.	0.11	0.11	0.10	0.03	0.07	0.90%	0.82%	0.78%	0.29%	0.62%
	Carpet and underlay	0.02	0.04	0.00	0.00	0.01	0.13%	0.27%	0.00%	0.00%	0.08%
Miscellaneous Combustibles	Sub-total	0.96	0.54	0.93	1.74	1.21	7.77%	3.98%	7.25%	16.31%	10.12%
Glass	Glass bottles	0.37	0.53	0.46	0.66	0.55	3.00%	3.88%	3.53%	6.17%	4.56%
	Glass jars	0.18	0.12	0.06	0.15	0.13	1.46%	0.85%	0.45%	1.45%	1.08%
	Other glass	0.01	0.03	0.03	0.01	0.02	0.11%	0.20%	0.23%	0.10%	0.16%
Glass	Sub-total	0.56	0.67	0.54	0.82	0.70	4.57%	4.93%	4.21%	7.72%	5.80%
Miscellaneous Non-combustibles	Construction and demolition	0.18	0.00	0.36	0.00	0.11	1.43%	0.00%	2.81%	0.00%	0.88%
	Other misc.non.comb	0.06	0.15	0.05	0.01	0.06	0.52%	1.12%	0.42%	0.11%	0.47%
Miscellaneous Non-combustibles	Sub-total	0.24	0.15	0.42	0.01	0.16	1.95%	1.12%	3.24%	0.11%	1.35%
Ferrous Metal	Ferrous food cans	0.26	0.10	0.23	0.18	0.18	2.07%	0.70%	1.80%	1.66%	1.53%
	Ferrous beverage cans	0.05	0.03	0.05	0.05	0.05	0.37%	0.19%	0.40%	0.51%	0.39%
	Ferrous aerosols	0.02	0.02	0.05	0.02	0.03	0.20%	0.13%	0.36%	0.17%	0.21%
	Other ferrous metal	0.07	0.08	0.03	0.04	0.05	0.57%	0.59%	0.24%	0.42%	0.44%
Ferrous Metal	Sub-total	0.39	0.22	0.36	0.29	0.31	3.21%	1.62%	2.80%	2.76%	2.57%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.03%	0.01%	0.01%
	Non-ferrous beverage cans	0.06	0.05	0.07	0.04	0.05	0.47%	0.33%	0.58%	0.34%	0.42%
	Non-ferrous aerosols	0.02	0.02	0.03	0.02	0.02	0.19%	0.15%	0.20%	0.15%	0.17%
	Other non-ferrous metal	0.08	0.11	0.07	0.07	0.08	0.66%	0.78%	0.55%	0.63%	0.65%
Non-ferrous Metal	Sub-total	0.16	0.17	0.18	0.12	0.15	1.34%	1.26%	1.36%	1.13%	1.25%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.04	0.10	0.00	0.00	0.03	0.30%	0.73%	0.00%	0.00%	0.21%
	IT & Telecoms Equip.	0.00	0.02	0.00	0.00	0.00	0.00%	0.12%	0.00%	0.00%	0.03%
	Consumer Equip.	0.25	0.00	0.01	0.78	0.38	2.01%	0.00%	0.06%	7.32%	3.16%
	Elec. & Electronic Tools	0.24	0.00	0.00	0.00	0.03	1.99%	0.00%	0.00%	0.00%	0.28%
	Toys, Leisure & Sports Equip.	0.04	0.05	0.00	0.10	0.06	0.30%	0.36%	0.00%	0.90%	0.48%
	Lighting	0.03	0.07	0.00	0.06	0.05	0.23%	0.53%	0.00%	0.59%	0.38%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.01	0.00	0.02	0.01	0.01	0.07%	0.00%	0.18%	0.09%	0.09%
WEEE	Sub-total	0.60	0.24	0.03	0.95	0.56	4.90%	1.75%	0.24%	8.90%	4.63%
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.08%	0.07%	0.08%	0.02%	0.05%
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.02	0.05	0.00	0.02	0.02	0.19%	0.38%	0.03%	0.17%	0.19%
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other pnt. haz.	0.10	0.01	0.32	0.00	0.05	0.80%	0.09%	2.48%	0.00%	0.73%
Hazardous	Sub-total	0.13	0.07	0.33	0.02	0.12	1.06%	0.54%	2.58%	0.19%	0.97%
Organic Catering	Home Compostable food	1.10	1.73	1.40	0.80	1.16	8.95%	12.66%	10.87%	7.50%	9.68%
	Unused home compostable food	0.45	0.72	1.00	0.23	0.53	3.64%	5.28%	7.78%	2.15%	4.42%
	Non-home compostable food	1.10	1.36	1.34	0.73	1.04	8.92%	9.93%	10.39%	6.81%	8.67%
	Unused non-home compostable food	0.66	0.63	0.57	0.51	0.57	5.34%	4.64%	4.45%	4.74%	4.73%
Organic Catering	Sub-total	3.30	4.44	4.32	2.26	3.30	26.84%	32.51%	33.50%	21.19%	27.51%
Organic Non-catering	Garden	0.53	1.31	0.24	0.09	0.43	4.30%	9.58%	1.85%	0.85%	3.56%
	Soil	0.00	0.00	0.27	0.07	0.09	0.00%	0.00%	2.08%	0.64%	0.75%
	Other organic	0.07	0.03	0.12	0.03	0.06	0.60%	0.19%	0.97%	0.26%	0.46%
Organic Non-catering	Sub-total	0.60	1.33	0.63	0.19	0.57	4.90%	9.77%	4.90%	1.75%	4.77%
Fines	Material less than 10mm	0.38	0.50	0.47	0.40	0.43	3.06%	3.63%	3.66%	3.79%	3.62%
Fines	Sub-total	0.38	0.50	0.47	0.40	0.43	3.06%	3.63%	3.66%	3.79%	3.62%
TOTAL		12.31	13.67	12.89	10.67	11.99	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Garden Waste, March 2010									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		2	3	4	LIV	2	3	4	LIV
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Card packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other card	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other plastic film	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Untreated wood	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.02	0.02	0.01	0.00%	0.58%	1.36%	0.36%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.01%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.02	0.02	0.01	0.00%	0.61%	1.36%	0.37%
Organic Non-catering	Garden	10.40	2.82	1.54	2.35	99.82%	77.11%	92.59%	92.28%
	Soil	0.00	0.79	0.10	0.18	0.00%	21.65%	6.05%	7.06%
	Other organic	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	10.40	3.61	1.64	2.53	99.82%	98.76%	98.64%	99.35%
Fines	Material less than 10mm	0.02	0.02	0.00	0.01	0.18%	0.60%	0.00%	0.27%
Fines	Sub-total	0.02	0.02	0.00	0.01	0.18%	0.60%	0.00%	0.27%
TOTAL		10.42	3.66	1.66	2.55	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Garden Waste, June 2010									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		2	3	4	LIV	2	3	4	LIV
Paper	Newspapers	0.00	0.01	0.00	0.00	0.00%	0.32%	0.00%	0.05%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.06%	0.03%	0.02%
Paper	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.38%	0.03%	0.07%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.01	0.00	0.00	0.00%	0.34%	0.00%	0.06%
	Card packaging	0.00	0.01	0.01	0.00	0.00%	0.26%	0.33%	0.09%
	Other card	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.02	0.01	0.01	0.00%	0.59%	0.33%	0.15%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.01%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.01%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00%	0.08%	0.00%	0.01%
Other dense plastic	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.18%	0.00%	0.03%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00%	0.00%	0.01%	0.00%
	Other plastic film	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.01%	0.00%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00%	0.09%	0.00%	0.02%
	Untreated wood	0.00	0.01	0.00	0.00	0.00%	0.36%	0.00%	0.06%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.45%	0.00%	0.08%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Other prtl. haz.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.00	0.03	0.01	0.00%	0.06%	1.23%	0.19%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.01%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.01%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.00	0.03	0.01	0.00%	0.14%	1.23%	0.21%
Organic Non-catering	Garden	17.14	2.87	2.05	3.41	99.75%	94.29%	89.15%	97.25%
	Soil	0.04	0.11	0.13	0.06	0.25%	3.51%	5.78%	1.63%
	Other organic	0.00	0.01	0.08	0.02	0.00%	0.45%	3.45%	0.58%
Organic Non-catering	Sub-total	17.19	2.99	2.27	3.49	100.00%	98.25%	98.39%	99.46%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
TOTAL		17.19	3.04	2.30	3.51	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Garden Waste, Study Average									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		2	3	4	LIV	2	3	4	LIV
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00%	0.14%	0.00%	0.03%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.03%	0.02%	0.01%
Paper	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.17%	0.02%	0.04%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.01	0.00	0.00	0.00%	0.15%	0.00%	0.03%
	Card packaging	0.00	0.00	0.00	0.00	0.00%	0.12%	0.19%	0.05%
	Other card	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.27%	0.19%	0.09%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.00%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.01%
Other dense plastic	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.09%	0.00%	0.02%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00%	0.00%	0.01%	0.00%
	Other plastic film	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.01%	0.01%	0.00%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.01%
	Untreated wood	0.00	0.01	0.00	0.00	0.00%	0.16%	0.00%	0.04%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.21%	0.00%	0.05%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Other prtl. haz.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.01	0.03	0.01	0.00%	0.34%	1.29%	0.26%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.01%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.01	0.03	0.01	0.00%	0.40%	1.29%	0.28%
Organic Non-catering	Garden	13.77	2.84	1.80	2.88	99.78%	84.91%	90.59%	95.16%
	Soil	0.02	0.45	0.12	0.12	0.16%	13.41%	5.89%	3.91%
	Other organic	0.00	0.01	0.04	0.01	0.00%	0.20%	2.01%	0.34%
Organic Non-catering	Sub-total	13.80	3.30	1.95	3.01	99.93%	98.53%	98.49%	99.41%
Fines	Material less than 10mm	0.01	0.01	0.00	0.00	0.07%	0.33%	0.00%	0.11%
Fines	Sub-total	0.01	0.01	0.00	0.00	0.07%	0.33%	0.00%	0.11%
TOTAL		13.80	3.35	1.98	3.03	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Dry Recyclables, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	0.44	0.45	0.60	0.09	0.26	20.64%	19.18%	23.06%	22.05%	21.45%	
	Magazines	0.16	0.17	0.17	0.07	0.10	7.53%	7.35%	6.53%	17.55%	8.44%	
	Other recyclable paper	0.08	0.39	0.05	0.02	0.10	3.53%	16.83%	1.97%	5.91%	8.15%	
	Paper packaging	0.00	0.01	0.00	0.00	0.00	0.05%	0.48%	0.08%	0.60%	0.31%	
	Non-recyclable paper	0.14	0.02	0.15	0.01	0.04	6.66%	0.91%	5.60%	2.82%	3.42%	
Paper	Sub-total	0.82	1.04	0.97	0.20	0.51	38.40%	44.75%	37.24%	48.93%	41.78%	
Card	Liquid cartons	0.00	0.01	0.00	0.00	0.00	0.14%	0.42%	0.11%	0.40%	0.27%	
	Board packaging	0.13	0.17	0.19	0.03	0.09	5.94%	7.24%	7.26%	7.30%	7.26%	
	Card packaging	0.23	0.23	0.19	0.03	0.10	10.88%	10.04%	7.09%	6.74%	8.15%	
	Other card	0.01	0.01	0.01	0.00	0.00	0.30%	0.27%	0.39%	0.00%	0.29%	
Card	Sub-total	0.37	0.42	0.39	0.06	0.20	17.26%	17.98%	14.84%	14.44%	15.97%	
Dense Plastic	Plastic Bottles:	PET	0.02	0.10	0.00	0.02	0.03	0.92%	4.14%	0.00%	5.64%	2.38%
		PET Coloured	0.01	0.00	0.03	0.00	0.01	0.42%	0.21%	1.10%	0.20%	0.63%
		HDPE	0.09	0.04	0.04	0.01	0.02	4.42%	1.80%	1.58%	3.07%	1.88%
		HDPE Coloured	0.01	0.02	0.10	0.00	0.03	0.35%	0.89%	3.98%	0.47%	2.30%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.07%	0.01%
	Other packaging	0.04	0.03	0.04	0.01	0.02	1.78%	1.25%	1.70%	2.26%	1.61%	
Dense Plastic	Sub-total	0.17	0.22	0.23	0.05	0.12	8.02%	9.56%	8.72%	11.83%	9.49%	
Plastic Film	Packaging film	0.01	0.01	0.01	0.00	0.01	0.49%	0.41%	0.37%	0.53%	0.41%	
	Other plastic film	0.01	0.01	0.02	0.00	0.01	0.68%	0.42%	0.66%	0.36%	0.52%	
Plastic Film	Sub-total	0.03	0.02	0.03	0.00	0.01	1.17%	0.83%	1.03%	0.89%	0.94%	
Textiles	Textiles	0.08	0.05	0.10	0.00	0.03	3.94%	2.09%	3.65%	0.79%	2.65%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.08%	0.00%	0.04%	
Textiles	Sub-total	0.08	0.05	0.10	0.00	0.03	3.94%	2.09%	3.73%	0.79%	2.68%	
Miscellaneous Combustibles	Treated wood	0.00	0.03	0.00	0.00	0.01	0.00%	1.12%	0.00%	0.00%	0.42%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.04	0.00	0.00	0.01	0.00%	1.80%	0.00%	0.00%	0.68%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	1.16%	0.17%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.35%	0.05%	
	Carpet and underlay	0.00	0.00	0.02	0.00	0.00	0.00%	0.00%	0.66%	0.00%	0.32%	
Miscellaneous Combustibles	Sub-total	0.00	0.07	0.02	0.01	0.02	0.00%	2.92%	0.66%	1.51%	1.64%	
Glass	Glass bottles	0.43	0.21	0.60	0.03	0.19	20.32%	8.89%	22.98%	6.79%	15.31%	
	Glass jars	0.06	0.13	0.05	0.01	0.04	2.94%	5.69%	2.04%	2.81%	3.53%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.12%	0.10%	0.00%	0.09%	
Glass	Sub-total	0.50	0.34	0.66	0.04	0.23	23.25%	14.70%	25.12%	9.60%	18.93%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.09	0.12	0.10	0.02	0.05	4.07%	5.03%	3.70%	5.21%	4.42%	
	Ferrous beverage cans	0.01	0.00	0.02	0.01	0.01	0.49%	0.03%	0.64%	2.48%	0.68%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.10%	0.04%	0.16%	0.07%	0.10%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.21%	0.03%	
Ferrous Metal	Sub-total	0.10	0.12	0.12	0.03	0.06	4.67%	5.10%	4.49%	7.97%	5.23%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.01	0.00	0.00	0.00	0.00%	0.49%	0.00%	0.07%	0.20%	
	Non-ferrous beverage cans	0.01	0.02	0.02	0.01	0.01	0.65%	0.78%	0.89%	3.04%	1.16%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.00%	0.02%	
	Other non-ferrous metal	0.00	0.01	0.00	0.00	0.00	0.04%	0.24%	0.00%	0.19%	0.12%	
Non-ferrous Metal	Sub-total	0.01	0.04	0.02	0.01	0.02	0.69%	1.56%	0.89%	3.30%	1.49%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.01	0.00	0.00	0.00%	0.18%	0.46%	0.00%	0.29%	
WEEE	Sub-total	0.00	0.00	0.01	0.00	0.00	0.00%	0.18%	0.46%	0.00%	0.29%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.02	0.00	0.03	0.00	0.01	0.79%	0.00%	1.28%	0.23%	0.64%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.20%	0.03%	
	Non-home compostable food	0.01	0.00	0.01	0.00	0.00	0.54%	0.00%	0.34%	0.00%	0.16%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.28%	0.04%	
Organic Catering	Sub-total	0.03	0.00	0.04	0.00	0.01	1.33%	0.00%	1.62%	0.71%	0.88%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Fines	Material less than 10mm	0.03	0.01	0.03	0.00	0.01	1.27%	0.31%	1.18%	0.04%	0.69%	
Fines	Sub-total	0.03	0.01	0.03	0.00	0.01	1.27%	0.31%	1.18%	0.04%	0.69%	
TOTAL		2.14	2.32	2.62	0.41	1.22	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Dry Recyclables, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	0.21	0.19	0.13	0.12	0.13	9.09%	10.16%	7.29%	11.98%	9.97%	
	Magazines	0.06	0.13	0.01	0.09	0.07	2.44%	6.73%	0.76%	8.68%	5.62%	
	Other recyclable paper	0.24	0.22	0.20	0.09	0.13	9.98%	11.29%	11.32%	8.50%	10.21%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.05	0.03	0.09	0.04	0.04	2.10%	1.36%	4.81%	3.55%	3.29%	
Paper	Sub-total	0.56	0.57	0.44	0.33	0.37	23.62%	29.54%	24.17%	32.71%	29.09%	
Card	Liquid cartons	0.00	0.00	0.01	0.00	0.00	0.14%	0.07%	0.29%	0.18%	0.18%	
	Board packaging	0.26	0.16	0.14	0.11	0.12	11.11%	8.59%	7.92%	10.63%	9.17%	
	Card packaging	0.17	0.21	0.13	0.08	0.11	7.17%	10.85%	7.43%	7.91%	8.63%	
	Other card	0.00	0.01	0.06	0.01	0.02	0.14%	0.52%	3.43%	1.10%	1.66%	
Card	Sub-total	0.44	0.38	0.34	0.20	0.25	18.56%	20.03%	19.08%	19.82%	19.65%	
Dense Plastic	Plastic Bottles:	PET	0.08	0.10	0.07	0.05	0.06	3.41%	5.31%	3.67%	4.52%	4.49%
		PET Coloured	0.01	0.01	0.00	0.00	0.01	0.24%	0.58%	0.26%	0.47%	0.44%
		HDPE	0.03	0.04	0.02	0.04	0.03	1.32%	2.25%	1.11%	3.77%	2.49%
		HDPE Coloured	0.01	0.01	0.00	0.00	0.01	0.50%	0.73%	0.20%	0.29%	0.39%
		Other	0.01	0.01	0.00	0.00	0.00	0.24%	0.68%	0.11%	0.11%	0.28%
	Other packaging	0.09	0.05	0.03	0.03	0.03	3.70%	2.61%	1.66%	2.85%	2.41%	
	Other dense plastic	0.07	0.01	0.07	0.01	0.02	2.93%	0.57%	3.95%	0.57%	1.63%	
Dense Plastic	Sub-total	0.29	0.24	0.20	0.13	0.16	12.33%	12.73%	10.96%	12.59%	12.12%	
Plastic Film	Packaging film	0.01	0.01	0.02	0.00	0.01	0.36%	0.50%	1.14%	0.32%	0.63%	
	Other plastic film	0.01	0.03	0.02	0.01	0.01	0.40%	1.60%	0.94%	0.50%	0.96%	
Plastic Film	Sub-total	0.02	0.04	0.04	0.01	0.02	0.75%	2.10%	2.07%	0.82%	1.60%	
Textiles	Textiles	0.00	0.01	0.01	0.04	0.02	0.00%	0.32%	0.77%	3.95%	1.88%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.27%	0.11%	
Textiles	Sub-total	0.00	0.01	0.01	0.04	0.03	0.00%	0.32%	0.77%	4.22%	1.98%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.05%	0.00%	0.02%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.15%	2.09%	0.86%	
	Other misc. comb.	0.00	0.01	0.00	0.00	0.00	0.00%	0.45%	0.00%	0.00%	0.13%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.01	0.00	0.02	0.01	0.00%	0.45%	0.20%	2.09%	1.01%	
Glass	Glass bottles	0.77	0.43	0.50	0.16	0.28	32.80%	22.62%	27.64%	16.20%	21.69%	
	Glass jars	0.14	0.10	0.07	0.00	0.04	6.04%	4.98%	4.08%	0.40%	2.91%	
	Other glass	0.00	0.02	0.00	0.00	0.00	0.00%	0.95%	0.00%	0.12%	0.33%	
Glass	Sub-total	0.92	0.55	0.57	0.17	0.32	38.84%	28.55%	31.71%	16.73%	24.94%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.12	0.00	0.03	0.00%	0.00%	6.73%	0.00%	2.11%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.12	0.00	0.03	0.00%	0.00%	6.73%	0.00%	2.11%	
Ferrous Metal	Ferrous food cans	0.07	0.07	0.03	0.05	0.05	2.90%	3.68%	1.73%	4.82%	3.51%	
	Ferrous beverage cans	0.02	0.01	0.01	0.01	0.01	0.66%	0.42%	0.34%	0.75%	0.52%	
	Ferrous aerosols	0.01	0.00	0.00	0.00	0.00	0.33%	0.13%	0.08%	0.08%	0.10%	
	Other ferrous metal	0.00	0.00	0.00	0.01	0.01	0.00%	0.13%	0.23%	1.04%	0.52%	
Ferrous Metal	Sub-total	0.09	0.08	0.04	0.07	0.06	3.89%	4.36%	2.37%	6.69%	4.65%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.17%	0.12%	0.02%	0.09%	0.07%	
	Non-ferrous beverage cans	0.03	0.03	0.01	0.02	0.02	1.15%	1.45%	0.60%	1.99%	1.40%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.20%	0.04%	0.07%	0.14%	0.09%	
	Other non-ferrous metal	0.01	0.00	0.00	0.00	0.00	0.43%	0.09%	0.11%	0.33%	0.19%	
Non-ferrous Metal	Sub-total	0.05	0.03	0.01	0.03	0.02	1.94%	1.70%	0.80%	2.55%	1.75%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.01	0.01	0.00%	0.00%	0.00%	1.17%	0.45%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.17%	0.06%	
WEEE	Sub-total	0.00	0.00	0.00	0.01	0.01	0.00%	0.00%	0.00%	1.33%	0.52%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.06%	0.00%	0.00%	0.04%	0.01%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.06%	0.00%	0.00%	0.04%	0.01%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.29%	0.00%	0.09%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.17%	0.06%	
Organic Catering	Sub-total	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.29%	0.17%	0.16%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.12%	0.05%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.12%	0.05%		
Fines	Material less than 10mm	0.00	0.00	0.02	0.00	0.00	0.00%	0.20%	0.84%	0.12%	0.37%	
Fines	Sub-total	0.00	0.00	0.02	0.00	0.00	0.00%	0.20%	0.84%	0.12%	0.37%	
TOTAL		2.36	1.92	1.80	1.00	1.28	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Dry Recyclables, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	0.33	0.32	0.37	0.10	0.20	14.58%	15.10%	16.63%	14.89%	15.57%	
	Magazines	0.11	0.15	0.09	0.08	0.09	4.86%	7.07%	4.18%	11.24%	7.00%	
	Other recyclable paper	0.16	0.30	0.13	0.05	0.12	6.92%	14.32%	5.78%	7.76%	9.21%	
	Paper packaging	0.00	0.01	0.00	0.00	0.00	0.02%	0.27%	0.05%	0.17%	0.15%	
	Non-recyclable paper	0.10	0.02	0.12	0.02	0.04	4.27%	1.12%	5.28%	3.34%	3.36%	
Paper	Sub-total	0.69	0.80	0.71	0.26	0.44	30.65%	37.87%	31.91%	37.39%	35.28%	
Card	Liquid cartons	0.00	0.01	0.00	0.00	0.00	0.14%	0.26%	0.18%	0.25%	0.22%	
	Board packaging	0.19	0.17	0.17	0.07	0.10	8.65%	7.85%	7.53%	9.67%	8.24%	
	Card packaging	0.20	0.22	0.16	0.05	0.11	8.93%	10.41%	7.23%	7.57%	8.40%	
	Other card	0.00	0.01	0.04	0.01	0.01	0.22%	0.39%	1.63%	0.78%	0.99%	
Card	Sub-total	0.40	0.40	0.37	0.13	0.22	17.94%	18.91%	16.57%	18.27%	17.85%	
Dense Plastic	Plastic Bottles:	PET	0.05	0.10	0.03	0.03	0.04	2.23%	4.67%	1.50%	4.84%	3.46%
		PET Coloured	0.01	0.01	0.02	0.00	0.01	0.33%	0.38%	0.76%	0.39%	0.53%
		HDPE	0.06	0.04	0.03	0.03	0.03	2.79%	2.00%	1.39%	3.57%	2.19%
		HDPE Coloured	0.01	0.02	0.05	0.00	0.02	0.42%	0.82%	2.44%	0.34%	1.32%
		Other	0.00	0.01	0.00	0.00	0.00	0.13%	0.31%	0.04%	0.09%	0.15%
	Other packaging	0.06	0.04	0.04	0.02	0.03	2.79%	1.86%	1.68%	2.68%	2.02%	
	Other dense plastic	0.04	0.02	0.04	0.00	0.01	1.60%	0.96%	1.83%	0.44%	1.16%	
Dense Plastic	Sub-total	0.23	0.23	0.21	0.09	0.14	10.28%	11.00%	9.64%	12.37%	10.84%	
Plastic Film	Packaging film	0.01	0.01	0.02	0.00	0.01	0.42%	0.45%	0.69%	0.38%	0.52%	
	Other plastic film	0.01	0.02	0.02	0.00	0.01	0.53%	0.95%	0.77%	0.46%	0.75%	
Plastic Film	Sub-total	0.02	0.03	0.03	0.01	0.02	0.95%	1.41%	1.46%	0.84%	1.27%	
Textiles	Textiles	0.04	0.03	0.05	0.02	0.03	1.87%	1.29%	2.48%	3.04%	2.25%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.05%	0.19%	0.07%	
Textiles	Sub-total	0.04	0.03	0.06	0.02	0.03	1.87%	1.29%	2.52%	3.23%	2.32%	
Miscellaneous Combustibles	Treated wood	0.00	0.01	0.00	0.00	0.00	0.00%	0.61%	0.00%	0.00%	0.21%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.02%	0.00%	0.01%	
	Furniture	0.00	0.02	0.00	0.00	0.00	0.00%	0.98%	0.00%	0.00%	0.33%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.01	0.01	0.00%	0.00%	0.06%	1.82%	0.52%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.20%	0.00%	0.10%	0.09%	
	Carpet and underlay	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.39%	0.00%	0.15%	
Miscellaneous Combustibles	Sub-total	0.00	0.04	0.01	0.01	0.02	0.00%	1.80%	0.47%	1.92%	1.32%	
Glass	Glass bottles	0.60	0.32	0.55	0.09	0.23	26.87%	15.10%	24.88%	13.49%	18.58%	
	Glass jars	0.10	0.11	0.06	0.01	0.04	4.56%	5.37%	2.87%	1.10%	3.22%	
	Other glass	0.00	0.01	0.00	0.00	0.00	0.00%	0.50%	0.06%	0.09%	0.21%	
Glass	Sub-total	0.71	0.44	0.61	0.10	0.28	31.43%	20.97%	27.81%	14.67%	22.01%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.06	0.00	0.01	0.00%	0.00%	2.75%	0.00%	1.08%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.06	0.00	0.01	0.00%	0.00%	2.75%	0.00%	1.08%	
Ferrous Metal	Ferrous food cans	0.08	0.09	0.06	0.03	0.05	3.46%	4.42%	2.89%	4.93%	3.95%	
	Ferrous beverage cans	0.01	0.00	0.01	0.01	0.01	0.58%	0.21%	0.51%	1.25%	0.60%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.22%	0.08%	0.13%	0.08%	0.10%	
	Other ferrous metal	0.00	0.00	0.00	0.01	0.00	0.00%	0.06%	0.09%	0.80%	0.28%	
Ferrous Metal	Sub-total	0.10	0.10	0.08	0.05	0.06	4.26%	4.77%	3.63%	7.06%	4.93%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.01	0.00	0.00	0.00	0.09%	0.32%	0.01%	0.08%	0.13%	
	Non-ferrous beverage cans	0.02	0.02	0.02	0.02	0.02	0.91%	1.09%	0.77%	2.29%	1.28%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.10%	0.04%	0.03%	0.10%	0.05%	
	Other non-ferrous metal	0.01	0.00	0.00	0.00	0.00	0.24%	0.17%	0.04%	0.29%	0.16%	
Non-ferrous Metal	Sub-total	0.03	0.03	0.02	0.02	0.02	1.35%	1.63%	0.85%	2.77%	1.63%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.83%	0.23%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.01	0.00	0.00	0.00%	0.10%	0.27%	0.12%	0.17%	
	WEEE	Sub-total	0.00	0.00	0.01	0.01	0.01	0.00%	0.10%	0.27%	0.95%	0.41%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.03%	0.01%	0.00%	0.02%	0.01%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.03%	0.01%	0.00%	0.02%	0.01%	
Organic Catering	Home Compostable food	0.01	0.00	0.02	0.00	0.00	0.37%	0.00%	0.76%	0.07%	0.31%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.06%	0.01%	
	Non-home compostable food	0.01	0.00	0.01	0.00	0.00	0.26%	0.00%	0.32%	0.00%	0.13%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.20%	0.05%	
Organic Catering	Sub-total	0.01	0.00	0.02	0.00	0.01	0.63%	0.00%	1.08%	0.32%	0.51%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.09%	0.02%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.09%	0.02%	
Fines	Material less than 10mm	0.01	0.01	0.02	0.00	0.01	0.60%	0.26%	1.04%	0.10%	0.53%	
Fines	Sub-total	0.01	0.01	0.02	0.00	0.01	0.60%	0.26%	1.04%	0.10%	0.53%	
TOTAL		2.25	2.12	2.21	0.70	1.25	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Combined Kerbside Waste Streams, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	0.87	0.86	1.15	0.82	0.85	3.68%	4.10%	6.28%	7.38%	5.25%	
	Magazines	0.50	0.85	0.42	0.20	0.40	2.11%	4.03%	2.32%	1.76%	2.46%	
	Other recyclable paper	0.47	0.81	0.75	0.38	0.55	1.99%	3.89%	4.11%	3.40%	3.42%	
	Paper packaging	0.02	0.03	0.00	0.04	0.03	0.07%	0.16%	0.01%	0.38%	0.18%	
	Non-recyclable paper	0.73	0.83	0.61	0.91	0.78	3.09%	3.97%	3.34%	8.20%	4.86%	
Paper	Sub-total	2.58	3.39	2.95	2.34	2.60	10.94%	16.15%	16.07%	21.12%	16.16%	
Card	Liquid cartons	0.03	0.05	0.01	0.04	0.04	0.13%	0.26%	0.08%	0.36%	0.22%	
	Board packaging	0.24	0.32	0.29	0.23	0.24	1.03%	1.51%	1.57%	2.07%	1.52%	
	Card packaging	0.54	0.57	0.65	0.39	0.47	2.28%	2.71%	3.52%	3.47%	2.91%	
	Other card	0.05	0.08	0.08	0.00	0.04	0.23%	0.40%	0.45%	0.00%	0.26%	
Card	Sub-total	0.86	1.02	1.03	0.65	0.79	3.66%	4.88%	5.63%	5.90%	4.90%	
Dense Plastic	Plastic Bottles:	PET	0.18	0.24	0.27	0.23	0.23	0.76%	1.17%	1.49%	2.08%	1.45%
		PET Coloured	0.03	0.04	0.06	0.00	0.02	0.13%	0.20%	0.30%	0.02%	0.15%
		HDPE	0.16	0.08	0.15	0.16	0.13	0.69%	0.39%	0.82%	1.44%	0.80%
		HDPE Coloured	0.05	0.09	0.16	0.04	0.08	0.22%	0.42%	0.86%	0.36%	0.48%
		Other	0.01	0.01	0.01	0.03	0.02	0.04%	0.03%	0.04%	0.30%	0.12%
	Other packaging	0.40	0.71	0.31	0.23	0.36	1.70%	3.39%	1.72%	2.10%	2.26%	
Other dense plastic	0.27	0.54	0.20	0.18	0.27	1.16%	2.57%	1.10%	1.64%	1.67%		
Dense Plastic	Sub-total	1.11	1.71	1.16	0.88	1.12	4.71%	8.16%	6.33%	7.94%	6.93%	
Plastic Film	Packaging film	0.41	0.56	0.59	0.28	0.42	1.73%	2.66%	3.24%	2.49%	2.60%	
	Other plastic film	0.30	0.35	0.50	0.23	0.32	1.28%	1.69%	2.70%	2.09%	2.00%	
Plastic Film	Sub-total	0.71	0.91	1.09	0.51	0.74	3.01%	4.34%	5.94%	4.57%	4.61%	
Textiles	Textiles	0.45	0.65	0.57	0.12	0.36	1.89%	3.12%	3.08%	1.11%	2.24%	
	Shoes	0.03	0.02	0.10	0.00	0.03	0.13%	0.08%	0.56%	0.00%	0.19%	
Textiles	Sub-total	0.48	0.67	0.67	0.12	0.39	2.02%	3.20%	3.64%	1.11%	2.43%	
Miscellaneous Combustibles	Treated wood	0.00	0.03	0.00	0.02	0.01	0.01%	0.12%	0.00%	0.16%	0.08%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.04	0.00	0.00	0.01	0.00%	0.20%	0.00%	0.00%	0.05%	
	Nappies/ Sanitary	0.78	0.44	1.15	1.80	1.25	3.32%	2.10%	6.29%	16.26%	7.73%	
	Other misc. comb.	0.09	0.10	0.18	0.05	0.10	0.39%	0.50%	1.00%	0.50%	0.61%	
	Carpet and underlay	0.00	0.00	0.02	0.00	0.00	0.00%	0.00%	0.09%	0.00%	0.02%	
Miscellaneous Combustibles	Sub-total	0.88	0.61	1.35	1.88	1.37	3.73%	2.92%	7.38%	16.92%	8.50%	
Glass	Glass bottles	0.81	0.66	0.93	0.69	0.69	3.43%	3.13%	5.08%	6.21%	4.30%	
	Glass jars	0.14	0.26	0.10	0.13	0.14	0.60%	1.22%	0.54%	1.13%	0.86%	
	Other glass	0.03	0.06	0.02	0.02	0.03	0.12%	0.27%	0.09%	0.20%	0.18%	
Glass	Sub-total	0.98	0.97	1.05	0.84	0.86	4.15%	4.62%	5.72%	7.54%	5.34%	
Miscellaneous Non-combustibles	Construction and demolition	0.17	0.00	0.73	0.00	0.19	0.74%	0.00%	3.96%	0.00%	1.15%	
	Other misc.non.comb	0.11	0.27	0.02	0.02	0.08	0.46%	1.26%	0.10%	0.22%	0.51%	
Miscellaneous Non-combustibles	Sub-total	0.28	0.27	0.74	0.02	0.27	1.20%	1.26%	4.06%	0.22%	1.67%	
Ferrous Metal	Ferrous food cans	0.23	0.24	0.40	0.17	0.23	0.99%	1.12%	2.17%	1.56%	1.44%	
	Ferrous beverage cans	0.07	0.04	0.11	0.10	0.08	0.28%	0.21%	0.59%	0.88%	0.52%	
	Ferrous aerosols	0.03	0.02	0.07	0.03	0.03	0.13%	0.11%	0.36%	0.23%	0.21%	
	Other ferrous metal	0.03	0.07	0.00	0.04	0.03	0.13%	0.32%	0.00%	0.32%	0.21%	
Ferrous Metal	Sub-total	0.36	0.37	0.57	0.33	0.38	1.53%	1.76%	3.12%	2.98%	2.38%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.01	0.01	0.00	0.00	0.01%	0.06%	0.04%	0.00%	0.03%	
	Non-ferrous beverage cans	0.05	0.07	0.09	0.04	0.06	0.23%	0.33%	0.50%	0.37%	0.36%	
	Non-ferrous aerosols	0.02	0.03	0.05	0.02	0.03	0.10%	0.14%	0.25%	0.14%	0.16%	
	Other non-ferrous metal	0.09	0.14	0.09	0.09	0.10	0.38%	0.66%	0.51%	0.80%	0.62%	
Non-ferrous Metal	Sub-total	0.17	0.25	0.24	0.15	0.19	0.72%	1.19%	1.30%	1.31%	1.17%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.07	0.20	0.00	0.00	0.05	0.32%	0.96%	0.00%	0.00%	0.31%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.17	0.00	0.00	0.90	0.42	0.72%	0.00%	0.00%	8.09%	2.59%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.07	0.10	0.00	0.19	0.11	0.31%	0.47%	0.00%	1.73%	0.71%	
	Lighting	0.05	0.14	0.00	0.00	0.03	0.22%	0.65%	0.00%	0.00%	0.21%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.01	0.00	0.00	0.00%	0.02%	0.07%	0.00%	0.02%	
WEEE	Sub-total	0.37	0.44	0.01	1.09	0.62	1.57%	2.10%	0.07%	9.83%	3.85%	
Hazardous	Household batteries	0.01	0.02	0.01	0.00	0.01	0.04%	0.08%	0.00%	0.00%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.04	0.10	0.00	0.00	0.03	0.17%	0.50%	0.01%	0.00%	0.17%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.15	0.00	0.64	0.00	0.16	0.65%	0.00%	3.48%	0.00%	1.02%	
Hazardous	Sub-total	0.20	0.12	0.66	0.00	0.20	0.86%	0.57%	3.57%	0.00%	1.23%	
Organic Catering	Home Compostable food	1.13	1.59	1.57	0.86	1.20	4.79%	7.58%	8.56%	7.78%	7.45%	
	Unused home compostable food	0.48	0.59	0.97	0.14	0.46	2.03%	2.80%	5.29%	1.22%	2.85%	
	Non-home compostable food	1.30	1.94	1.74	0.76	1.28	5.50%	9.26%	9.48%	6.82%	7.97%	
	Unused non-home compostable food	0.14	0.14	0.27	0.13	0.17	0.61%	0.67%	1.50%	1.19%	1.04%	
Organic Catering	Sub-total	3.05	4.26	4.55	1.89	3.11	12.93%	20.32%	24.82%	17.00%	19.31%	
Organic Non-catering	Garden	11.02	4.46	1.56	0.02	2.77	46.77%	21.26%	8.49%	0.14%	17.21%	
	Soil	0.00	0.79	0.10	0.00	0.18	0.00%	3.77%	0.55%	0.00%	1.12%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	11.02	5.25	1.66	0.02	2.95	46.77%	25.03%	9.04%	0.14%	18.33%	
Fines	Material less than 10mm	0.52	0.73	0.61	0.38	0.51	2.20%	3.49%	3.31%	3.40%	3.20%	
Fines	Sub-total	0.52	0.73	0.61	0.38	0.51	2.20%	3.49%	3.31%	3.40%	3.20%	
TOTAL		23.57	20.97	18.34	11.09	16.11	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Combined Kerbside Waste Streams, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	1.03	0.40	1.35	0.57	0.74	3.09%	2.32%	8.50%	4.83%	4.52%	
	Magazines	0.38	0.36	0.23	0.26	0.28	1.13%	2.10%	1.47%	2.17%	1.71%	
	Other recyclable paper	0.37	0.43	0.24	0.10	0.20	1.11%	2.51%	1.50%	0.86%	1.23%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.54	0.98	0.32	0.33	0.48	1.64%	5.64%	1.99%	2.76%	2.90%	
Paper	Sub-total	2.31	2.17	2.13	1.25	1.70	6.98%	12.57%	13.46%	10.62%	10.36%	
Card	Liquid cartons	0.01	0.02	0.04	0.01	0.02	0.04%	0.14%	0.23%	0.09%	0.11%	
	Board packaging	0.84	0.28	0.47	0.39	0.42	2.54%	1.64%	2.97%	3.34%	2.53%	
	Card packaging	0.71	0.59	0.40	0.41	0.46	2.14%	3.41%	2.54%	3.48%	2.81%	
	Other card	0.03	0.01	0.10	0.04	0.04	0.08%	0.06%	0.62%	0.32%	0.27%	
Card	Sub-total	1.59	0.91	1.01	0.85	0.94	4.81%	5.25%	6.35%	7.23%	5.72%	
Dense Plastic	Plastic Bottles:	PET	0.31	0.23	0.54	0.35	0.35	0.93%	1.34%	3.44%	2.97%	2.15%
		PET Coloured	0.02	0.02	0.01	0.01	0.01	0.05%	0.11%	0.09%	0.06%	0.07%
		HDPE	0.26	0.08	0.09	0.14	0.13	0.78%	0.45%	0.57%	1.17%	0.78%
		HDPE Coloured	0.07	0.08	0.02	0.05	0.05	0.21%	0.44%	0.15%	0.42%	0.30%
		Other	0.04	0.02	0.02	0.04	0.03	0.11%	0.09%	0.14%	0.33%	0.18%
	Other packaging	0.53	0.58	0.31	0.25	0.35	1.60%	3.36%	1.93%	2.10%	2.16%	
Dense Plastic	Sub-total	1.22	0.20	0.22	0.12	0.16	0.66%	1.13%	1.37%	1.04%	0.98%	
Dense Plastic	Sub-total	1.44	1.20	1.22	0.95	1.09	4.34%	6.92%	7.68%	8.08%	6.62%	
Plastic Film	Packaging film	0.36	0.44	0.24	0.18	0.27	1.08%	2.53%	1.49%	1.55%	1.63%	
	Other plastic film	0.34	0.41	0.27	0.35	0.34	1.03%	2.38%	1.70%	3.00%	2.09%	
Plastic Film	Sub-total	0.70	0.85	0.50	0.54	0.61	2.11%	4.90%	3.19%	4.55%	3.72%	
Textiles	Textiles	0.81	0.67	0.23	0.70	0.60	2.44%	3.87%	1.43%	5.94%	3.67%	
	Shoes	0.13	0.15	0.12	0.02	0.09	0.40%	0.89%	0.78%	0.18%	0.53%	
Textiles	Sub-total	0.94	0.82	0.35	0.72	0.69	2.84%	4.76%	2.21%	6.12%	4.20%	
Miscellaneous Combustibles	Treated wood	0.03	0.00	0.00	0.00	0.00	0.09%	0.02%	0.00%	0.00%	0.03%	
	Untreated wood	0.01	0.21	0.01	0.00	0.05	0.03%	1.23%	0.09%	0.00%	0.28%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.83	0.15	0.50	1.63	0.97	2.51%	0.86%	3.19%	13.78%	5.91%	
	Other misc. comb.	0.13	0.13	0.02	0.01	0.05	0.39%	0.75%	0.11%	0.07%	0.31%	
	Carpet and underlay	0.03	0.07	0.00	0.00	0.02	0.09%	0.43%	0.00%	0.00%	0.12%	
Miscellaneous Combustibles	Sub-total	1.03	0.57	0.54	1.63	1.09	3.12%	3.39%	13.85%	6.65%		
Glass	Glass bottles	1.14	1.05	1.08	0.84	0.87	3.44%	6.04%	6.81%	7.11%	5.28%	
	Glass jars	0.42	0.20	0.14	0.20	0.20	1.28%	1.18%	0.91%	1.70%	1.22%	
	Other glass	0.00	0.02	0.04	0.00	0.01	0.00%	0.11%	0.28%	0.01%	0.09%	
Glass	Sub-total	1.56	1.27	1.27	1.04	1.08	4.71%	7.33%	8.00%	8.82%	6.58%	
Miscellaneous Non-combustibles	Construction and demolition	0.18	0.00	0.00	0.00	0.02	0.54%	0.00%	0.00%	0.00%	0.15%	
	Other misc.non.comb	0.02	0.04	0.21	0.00	0.06	0.06%	0.24%	1.34%	0.00%	0.35%	
Miscellaneous Non-combustibles	Sub-total	0.20	0.04	0.21	0.00	0.08	0.60%	0.24%	1.34%	0.00%	0.51%	
Ferrous Metal	Ferrous food cans	0.43	0.14	0.19	0.26	0.24	1.31%	0.83%	1.22%	2.19%	1.43%	
	Ferrous beverage cans	0.05	0.02	0.02	0.03	0.02	0.15%	0.10%	0.11%	0.24%	0.15%	
	Ferrous aerosols	0.03	0.02	0.03	0.01	0.02	0.09%	0.09%	0.21%	0.11%	0.11%	
	Other ferrous metal	0.11	0.10	0.07	0.07	0.08	0.33%	0.56%	0.41%	0.57%	0.48%	
Ferrous Metal	Sub-total	0.62	0.27	0.31	0.37	0.36	1.87%	1.58%	1.95%	3.10%	2.18%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.00	0.00	0.02%	0.01%	0.00%	0.02%	0.01%	
	Non-ferrous beverage cans	0.10	0.07	0.09	0.07	0.07	0.31%	0.39%	0.58%	0.57%	0.45%	
	Non-ferrous aerosols	0.03	0.01	0.01	0.02	0.02	0.09%	0.07%	0.05%	0.16%	0.10%	
	Other non-ferrous metal	0.08	0.08	0.05	0.05	0.06	0.25%	0.48%	0.32%	0.42%	0.36%	
Non-ferrous Metal	Sub-total	0.22	0.17	0.15	0.14	0.15	0.66%	0.95%	0.95%	1.17%	0.92%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.03	0.00	0.00	0.01	0.00%	0.20%	0.00%	0.00%	0.04%	
	Consumer Equip.	0.32	0.00	0.01	0.66	0.34	0.98%	0.00%	0.09%	5.63%	2.07%	
	Elec. & Electronic Tools	0.49	0.00	0.00	0.00	0.07	1.47%	0.00%	0.00%	0.00%	0.41%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.01	0.01	0.00%	0.00%	0.00%	0.11%	0.04%	
	Lighting	0.01	0.01	0.00	0.13	0.06	0.02%	0.04%	0.00%	1.07%	0.35%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.02	0.00	0.05	0.02	0.02	0.06%	0.00%	0.29%	0.18%	0.14%	
WEEE	Sub-total	0.84	0.04	0.06	0.83	0.50	2.53%	0.24%	0.39%	6.99%	3.04%	
Hazardous	Household batteries	0.01	0.00	0.01	0.00	0.01	0.03%	0.02%	0.03%	0.04%	0.03%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.00	0.01	0.04	0.02	0.02%	0.00%	0.04%	0.31%	0.11%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.04	0.02	0.00	0.00	0.01	0.13%	0.14%	0.00%	0.00%	0.07%	
Hazardous	Sub-total	0.06	0.03	0.01	0.04	0.03	0.18%	0.16%	0.07%	0.34%	0.21%	
Organic Catering	Home Compostable food	1.09	1.89	1.32	0.74	1.15	3.28%	10.95%	8.33%	6.26%	6.98%	
	Unused home compostable food	0.42	0.86	1.04	0.32	0.60	1.26%	4.95%	6.54%	2.75%	3.66%	
	Non-home compostable food	0.91	0.77	0.96	0.70	0.80	2.75%	4.47%	6.04%	5.90%	4.86%	
	Unused non-home compostable food	1.17	1.13	0.87	0.88	0.97	3.53%	6.52%	5.52%	7.48%	5.90%	
Organic Catering	Sub-total	3.59	4.65	4.18	2.64	3.52	10.82%	26.89%	26.43%	22.39%	21.40%	
Organic Non-catering	Garden	17.58	3.85	2.51	0.17	3.84	53.02%	22.24%	15.85%	1.40%	23.38%	
	Soil	0.04	0.11	0.67	0.14	0.24	0.13%	0.62%	4.24%	1.15%	1.44%	
	Other organic	0.15	0.06	0.33	0.06	0.13	0.45%	0.37%	2.08%	0.49%	0.80%	
Organic Non-catering	Sub-total	17.77	4.02	3.51	0.36	4.21	53.60%	23.23%	22.17%	3.04%	25.62%	
Fines	Material less than 10mm	0.28	0.29	0.38	0.43	0.37	0.85%	1.70%	2.42%	3.67%	2.27%	
	Sub-total	0.28	0.29	0.38	0.43	0.37	0.85%	1.70%	2.42%	3.67%	2.27%	
TOTAL		33.16	17.31	15.83	11.80	16.44	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool Combined Kerbside Waste Streams, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		2	3	4	5	LIV	2	3	4	5	LIV	
Paper	Newspapers	0.95	0.63	1.25	0.69	0.79	3.34%	3.29%	7.31%	6.06%	4.88%	
	Magazines	0.44	0.60	0.33	0.23	0.34	1.54%	3.16%	1.93%	1.98%	2.08%	
	Other recyclable paper	0.42	0.62	0.50	0.24	0.38	1.48%	3.26%	2.90%	2.09%	2.31%	
	Paper packaging	0.01	0.02	0.00	0.02	0.01	0.03%	0.09%	0.01%	0.19%	0.09%	
	Non-recyclable paper	0.64	0.90	0.46	0.62	0.63	2.24%	4.73%	2.72%	5.39%	3.87%	
Paper	Sub-total	2.45	2.78	2.54	1.80	2.15	8.62%	14.53%	14.86%	15.71%	13.23%	
Card	Liquid cartons	0.02	0.04	0.03	0.03	0.03	0.08%	0.20%	0.15%	0.22%	0.17%	
	Board packaging	0.54	0.30	0.38	0.31	0.33	1.92%	1.57%	2.22%	2.73%	2.03%	
	Card packaging	0.62	0.58	0.52	0.40	0.47	2.20%	3.03%	3.07%	3.48%	2.86%	
	Other card	0.04	0.05	0.09	0.02	0.04	0.14%	0.25%	0.53%	0.16%	0.26%	
Card	Sub-total	1.23	0.97	1.02	0.75	0.87	4.33%	5.05%	5.96%	6.59%	5.32%	
Dense Plastic	Plastic Bottles:	PET	0.24	0.24	0.41	0.29	0.29	0.86%	1.25%	2.39%	2.54%	1.80%
		PET Coloured	0.02	0.03	0.04	0.00	0.02	0.08%	0.16%	0.21%	0.04%	0.11%
		HDPE	0.21	0.08	0.12	0.15	0.13	0.75%	0.42%	0.70%	1.30%	0.79%
		HDPE Coloured	0.06	0.08	0.09	0.04	0.06	0.22%	0.43%	0.53%	0.39%	0.39%
	Other	0.02	0.01	0.01	0.04	0.02	0.08%	0.06%	0.08%	0.32%	0.15%	
	Other packaging	0.47	0.65	0.31	0.24	0.36	1.64%	3.38%	1.81%	2.10%	2.21%	
Other dense plastic	0.25	0.37	0.21	0.15	0.22	0.87%	1.92%	1.23%	1.33%	1.33%		
Dense Plastic	Sub-total	1.27	1.45	1.19	0.92	1.10	4.49%	7.60%	6.96%	8.02%	6.77%	
Plastic Film	Packaging film	0.38	0.50	0.41	0.23	0.34	1.35%	2.60%	2.43%	2.00%	2.11%	
	Other plastic film	0.32	0.38	0.38	0.29	0.33	1.13%	2.00%	2.24%	2.56%	2.05%	
Plastic Film	Sub-total	0.70	0.88	0.80	0.52	0.68	2.48%	4.60%	4.67%	4.56%	4.16%	
Textiles	Textiles	0.63	0.66	0.40	0.41	0.48	2.21%	3.46%	2.32%	3.60%	2.96%	
	Shoes	0.08	0.09	0.11	0.01	0.06	0.29%	0.45%	0.66%	0.09%	0.36%	
Textiles	Sub-total	0.71	0.75	0.51	0.42	0.54	2.50%	3.91%	2.98%	3.69%	3.32%	
Miscellaneous Combustibles	Treated wood	0.02	0.01	0.00	0.01	0.01	0.06%	0.08%	0.00%	0.08%	0.06%	
	Untreated wood	0.00	0.11	0.01	0.00	0.02	0.02%	0.55%	0.04%	0.00%	0.14%	
	Furniture	0.00	0.02	0.00	0.00	0.00	0.00%	0.11%	0.00%	0.00%	0.03%	
	Nappies/ Sanitary	0.81	0.29	0.83	1.71	1.11	2.85%	1.54%	4.85%	14.98%	6.81%	
	Other misc. comb.	0.11	0.12	0.10	0.03	0.07	0.39%	0.61%	0.59%	0.28%	0.46%	
	Carpet and underlay	0.02	0.04	0.01	0.00	0.01	0.06%	0.20%	0.05%	0.00%	0.07%	
Miscellaneous Combustibles	Sub-total	0.96	0.59	0.94	1.76	1.23	3.37%	3.08%	5.53%	15.34%	7.57%	
Glass	Glass bottles	0.97	0.85	1.01	0.76	0.78	3.43%	4.45%	5.88%	6.68%	4.79%	
	Glass jars	0.28	0.23	0.12	0.16	0.17	1.00%	1.20%	0.71%	1.42%	1.04%	
	Other glass	0.01	0.04	0.03	0.01	0.02	0.05%	0.20%	0.18%	0.10%	0.13%	
Glass	Sub-total	1.27	1.12	1.16	0.94	0.97	4.48%	5.85%	6.78%	8.20%	5.97%	
Miscellaneous Non-combustibles	Construction and demolition	0.18	0.00	0.38	0.00	0.11	0.62%	0.00%	2.12%	0.00%	0.65%	
	Other misc.non.comb	0.06	0.15	0.12	0.01	0.07	0.23%	0.80%	0.68%	0.11%	0.43%	
Miscellaneous Non-combustibles	Sub-total	0.24	0.15	0.48	0.01	0.18	0.85%	0.80%	2.80%	0.11%	1.08%	
Ferrous Metal	Ferrous food cans	0.33	0.19	0.30	0.22	0.23	1.17%	0.99%	1.73%	1.88%	1.44%	
	Ferrous beverage cans	0.06	0.03	0.06	0.06	0.05	0.21%	0.16%	0.37%	0.55%	0.33%	
	Ferrous aerosols	0.03	0.02	0.05	0.02	0.03	0.10%	0.10%	0.29%	0.17%	0.16%	
	Other ferrous metal	0.07	0.08	0.03	0.05	0.06	0.25%	0.43%	0.19%	0.45%	0.34%	
Ferrous Metal	Sub-total	0.49	0.32	0.44	0.35	0.37	1.73%	1.68%	2.58%	3.05%	2.28%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.01	0.00	0.00	0.00	0.02%	0.04%	0.02%	0.01%	0.02%	
	Non-ferrous beverage cans	0.08	0.07	0.09	0.05	0.07	0.28%	0.36%	0.54%	0.47%	0.40%	
	Non-ferrous aerosols	0.03	0.02	0.03	0.02	0.02	0.09%	0.11%	0.16%	0.15%	0.13%	
	Other non-ferrous metal	0.09	0.11	0.07	0.07	0.08	0.30%	0.58%	0.42%	0.60%	0.49%	
Non-ferrous Metal	Sub-total	0.20	0.21	0.19	0.14	0.17	0.69%	1.08%	1.14%	1.24%	1.04%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.04	0.10	0.00	0.00	0.03	0.13%	0.52%	0.00%	0.00%	0.15%	
	IT & Telecoms Equip.	0.00	0.02	0.00	0.00	0.00	0.00%	0.09%	0.00%	0.00%	0.02%	
	Consumer Equip.	0.25	0.00	0.01	0.78	0.38	0.87%	0.00%	0.04%	6.82%	2.33%	
	Elec. & Electronic Tools	0.24	0.00	0.00	0.00	0.03	0.86%	0.00%	0.00%	0.00%	0.21%	
	Toys, Leisure & Sports Equip.	0.04	0.05	0.00	0.10	0.06	0.13%	0.26%	0.00%	0.90%	0.37%	
	Lighting	0.03	0.07	0.00	0.06	0.05	0.10%	0.38%	0.00%	0.55%	0.28%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.01	0.00	0.03	0.01	0.01	0.03%	0.01%	0.17%	0.09%	0.08%	
WEEE	Sub-total	0.60	0.24	0.04	0.96	0.56	2.13%	1.26%	0.21%	8.37%	3.44%	
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.04%	0.05%	0.06%	0.02%	0.04%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.02	0.05	0.00	0.02	0.02	0.08%	0.27%	0.02%	0.16%	0.14%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.10	0.01	0.32	0.00	0.05	0.35%	0.06%	1.87%	0.00%	0.54%	
Hazardous	Sub-total	0.13	0.07	0.33	0.02	0.12	0.46%	0.39%	1.95%	0.18%	0.71%	
Organic Catering	Home Compostable food	1.11	1.74	1.44	0.80	1.17	3.91%	9.10%	8.45%	7.00%	7.21%	
	Unused home compostable food	0.45	0.72	1.00	0.23	0.53	1.58%	3.77%	5.87%	2.01%	3.26%	
	Non-home compostable food	1.10	1.36	1.35	0.73	1.04	3.89%	7.10%	7.89%	6.35%	6.40%	
	Unused non-home compostable food	0.66	0.63	0.57	0.51	0.57	2.32%	3.32%	3.36%	4.43%	3.49%	
Organic Catering	Sub-total	3.32	4.46	4.37	2.26	3.31	11.70%	23.29%	25.57%	19.78%	20.37%	
Organic Non-catering	Garden	14.30	4.15	2.03	0.09	3.31	50.43%	21.70%	11.90%	0.79%	20.33%	
	Soil	0.02	0.45	0.39	0.07	0.21	0.08%	2.35%	2.26%	0.59%	1.28%	
	Other organic	0.07	0.03	0.16	0.03	0.07	0.26%	0.17%	0.96%	0.25%	0.41%	
Organic Non-catering	Sub-total	14.40	4.63	2.58	0.19	3.58	50.76%	24.22%	15.12%	1.64%	22.01%	
Fines	Material less than 10mm	0.40	0.51	0.50	0.41	0.44	1.41%	2.68%	2.90%	3.54%	2.73%	
	Sub-total	0.40	0.51	0.50	0.41	0.44	1.41%	2.68%	2.90%	3.54%	2.73%	
TOTAL		28.36	19.14	17.09	11.45	16.27	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix B

Liverpool BMW, Study Averages									
Material sub-category	BMW Content	Arisings, kg/hh/wk				Assay, %			
		RW	GW	DR	Combined	RW	GW	DR	Combined
Newspapers	100%	0.60	0.00	0.20	0.79	5.0%	0.0%	15.6%	4.9%
Magazines	100%	0.25	0.00	0.09	0.34	2.1%	0.0%	7.0%	2.1%
Other recyclable paper	100%	0.26	0.00	0.12	0.38	2.2%	0.0%	9.2%	2.3%
Paper packaging	100%	0.01	0.00	0.00	0.01	0.1%	0.0%	0.2%	0.1%
Non-recyclable paper	100%	0.59	0.00	0.04	0.63	4.9%	0.0%	3.4%	3.9%
Liquid cartons	100%	0.02	0.00	0.00	0.03	0.2%	0.0%	0.2%	0.2%
Board packaging	100%	0.23	0.00	0.10	0.33	1.9%	0.0%	8.2%	2.0%
Card packaging	100%	0.36	0.00	0.11	0.47	3.0%	0.1%	8.4%	2.9%
Other card	100%	0.03	0.00	0.01	0.04	0.3%	0.0%	1.0%	0.3%
Plastic Bottles:	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
PET	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
PET Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other dense plastic	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Textiles	50%	0.23	0.00	0.01	0.24	1.9%	0.0%	1.1%	1.5%
Shoes	50%	0.03	0.00	0.00	0.03	0.2%	0.0%	0.0%	0.2%
Treated wood	50%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.1%	0.0%
Untreated wood	50%	0.01	0.00	0.00	0.01	0.1%	0.0%	0.0%	0.1%
Furniture	50%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.2%	0.0%
Nappies/ Sanitary	50%	0.55	0.00	0.00	0.55	4.6%	0.0%	3.3%	3.4%
Other misc. comb.	50%	0.04	0.00	0.00	0.04	0.3%	0.0%	0.0%	0.2%
Carpet and underlay	50%	0.00	0.00	0.00	0.01	0.0%	0.0%	0.1%	0.0%
Glass bottles	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Glass jars	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other glass	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Construction and demolition	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other misc.non_comb	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other non-ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Fridges, Freezers	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Large hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Small hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
IT & Telecoms Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Consumer Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Elec. & Electronic Tools	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Toys,Leisure & Sports Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Lighting	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Monitoring & Ctl. Inst.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other WEEE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Household batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Car batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Identifiable clinical waste	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Engine oil	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other pntl. haz.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Home compostable food	100%	1.16	0.01	0.00	1.17	9.7%	0.3%	0.3%	7.2%
Unused home compostable food	100%	0.53	0.00	0.00	0.53	4.4%	0.0%	0.0%	3.3%
Non-home compostable food	100%	1.04	0.00	0.00	1.04	8.7%	0.0%	0.1%	6.4%
Unused non-home compostable food	100%	0.57	0.00	0.00	0.57	4.7%	0.0%	0.1%	3.5%
Garden	100%	0.43	2.88	0.00	3.31	3.6%	95.2%	0.0%	20.3%
Soil	100%	0.09	0.12	0.00	0.21	0.7%	3.9%	0.0%	1.3%
Other organic	100%	0.06	0.01	0.00	0.07	0.5%	0.3%	0.0%	0.4%
Material less than 10mm	50%	0.22	0.00	0.00	0.22	1.8%	0.1%	0.3%	1.4%
Totals		7.30	3.02	0.70	11.02	60.9%	99.9%	55.7%	67.7%



Appendix B

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Appendix B

Appendix C Sefton Tables



Appendix C

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Creating the environment for business



Appendix C

Sefton Residual Waste, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	0.06	0.10	0.06	0.09	0.08	0.59%	1.26%	1.00%	1.09%	1.03%	
	Magazines	0.15	0.17	0.13	0.04	0.13	1.60%	2.08%	2.26%	0.46%	1.60%	
	Other recyclable paper	0.27	0.47	0.13	0.30	0.36	2.87%	5.87%	2.25%	3.65%	4.32%	
	Paper packaging	0.00	0.05	0.02	0.73	0.19	0.00%	0.60%	0.29%	8.77%	2.30%	
	Non-recyclable paper	0.32	0.24	0.16	0.42	0.29	3.32%	3.01%	2.71%	5.00%	3.53%	
Paper	Sub-total	0.80	1.03	0.51	1.58	1.05	8.38%	12.82%	8.51%	18.97%	12.77%	
Card	Liquid cartons	0.03	0.01	0.01	0.01	0.02	0.28%	0.18%	0.18%	0.12%	0.19%	
	Board packaging	0.08	0.14	0.05	0.03	0.09	0.87%	1.76%	0.87%	0.38%	1.15%	
	Card packaging	0.51	0.28	0.20	0.31	0.33	5.35%	3.48%	3.40%	3.67%	4.00%	
	Other card	0.00	0.01	0.03	0.09	0.03	0.00%	0.17%	0.49%	1.05%	0.35%	
Card	Sub-total	0.62	0.45	0.29	0.43	0.47	6.50%	5.59%	4.95%	5.21%	5.69%	
Dense Plastic	Plastic Bottles:	PET	0.09	0.07	0.07	0.16	0.09	0.90%	0.83%	1.25%	1.88%	1.12%
		PET Coloured	0.00	0.00	0.01	0.03	0.01	0.01%	0.06%	0.15%	0.30%	0.11%
		HDPE	0.08	0.04	0.01	0.11	0.06	0.80%	0.55%	0.11%	1.30%	0.75%
		HDPE Coloured	0.06	0.04	0.04	0.02	0.04	0.66%	0.48%	0.69%	0.23%	0.49%
		Other	0.04	0.00	0.00	0.03	0.02	0.40%	0.00%	0.06%	0.38%	0.19%
	Other packaging	0.32	0.26	0.16	0.24	0.26	3.32%	3.21%	2.63%	2.84%	3.11%	
Dense Plastic	Sub-total	0.24	0.09	0.13	0.03	0.11	2.48%	1.17%	2.20%	0.32%	1.39%	
Plastic Film	Packaging film	0.35	0.30	0.15	0.22	0.28	3.66%	3.74%	2.56%	2.67%	3.38%	
	Other plastic film	0.23	0.20	0.21	0.19	0.21	2.46%	2.45%	3.53%	2.33%	2.50%	
Plastic Film	Sub-total	0.58	0.50	0.36	0.42	0.48	6.12%	6.19%	6.09%	5.00%	5.89%	
Textiles	Textiles	0.39	0.43	0.39	0.44	0.42	4.07%	5.40%	6.50%	5.31%	5.12%	
	Shoes	0.00	0.17	0.02	0.06	0.09	0.00%	2.10%	0.35%	0.69%	1.11%	
Textiles	Sub-total	0.39	0.60	0.41	0.50	0.51	4.07%	7.50%	6.85%	5.99%	6.23%	
Miscellaneous Combustibles	Treated wood	0.02	0.05	0.05	0.00	0.03	0.16%	0.60%	0.77%	0.00%	0.36%	
	Untreated wood	0.00	0.02	0.00	0.00	0.01	0.00%	0.29%	0.00%	0.00%	0.13%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.60	0.45	0.69	0.12	0.44	6.30%	5.66%	11.65%	1.49%	5.32%	
	Other misc. comb.	0.52	0.29	0.01	0.12	0.27	5.48%	3.61%	0.17%	1.39%	3.32%	
	Carpet and underlay	0.00	0.08	0.05	0.02	0.04	0.00%	0.97%	0.92%	0.19%	0.54%	
Miscellaneous Combustibles	Sub-total	1.14	0.89	0.80	0.26	0.79	11.94%	11.12%	13.52%	3.07%	9.66%	
Glass	Glass bottles	0.09	0.17	0.31	0.08	0.15	0.97%	2.15%	5.14%	1.00%	1.81%	
	Glass jars	0.01	0.15	0.09	0.02	0.08	0.09%	1.89%	1.53%	0.21%	1.01%	
	Other glass	0.01	0.05	0.01	0.00	0.02	0.11%	0.57%	0.19%	0.00%	0.29%	
Glass	Sub-total	0.11	0.37	0.41	0.10	0.26	1.17%	4.62%	6.87%	1.20%	3.12%	
Miscellaneous Non-combustibles	Construction and demolition	1.75	0.10	0.31	0.00	0.47	18.34%	1.30%	5.17%	0.00%	5.67%	
	Other misc.non.comb	0.08	0.01	0.04	0.08	0.04	0.80%	0.13%	0.73%	0.97%	0.54%	
Miscellaneous Non-combustibles	Sub-total	1.83	0.12	0.35	0.08	0.51	19.14%	1.43%	5.90%	0.97%	6.21%	
Ferrous Metal	Ferrous food cans	0.07	0.10	0.13	0.16	0.11	0.68%	1.20%	2.22%	1.97%	1.32%	
	Ferrous beverage cans	0.01	0.01	0.01	0.02	0.01	0.08%	0.13%	0.20%	0.28%	0.16%	
	Ferrous aerosols	0.01	0.02	0.01	0.01	0.01	0.14%	0.25%	0.23%	0.06%	0.18%	
	Other ferrous metal	0.14	0.07	0.09	0.04	0.08	1.51%	0.82%	1.59%	0.51%	0.98%	
Ferrous Metal	Sub-total	0.23	0.19	0.25	0.24	0.22	2.42%	2.41%	4.24%	2.83%	2.64%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.01	0.01	0.01	0.00%	0.03%	0.22%	0.17%	0.07%	
	Non-ferrous beverage cans	0.02	0.00	0.04	0.01	0.01	0.20%	0.03%	0.75%	0.16%	0.16%	
	Non-ferrous aerosols	0.01	0.01	0.00	0.02	0.01	0.06%	0.11%	0.07%	0.21%	0.12%	
	Other non-ferrous metal	0.04	0.05	0.02	0.03	0.04	0.45%	0.58%	0.34%	0.37%	0.48%	
Non-ferrous Metal	Sub-total	0.07	0.06	0.08	0.07	0.07	0.71%	0.75%	1.38%	0.90%	0.82%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.07	0.02	0.00%	0.00%	0.00%	0.84%	0.19%	
	IT & Telecoms Equip.	0.03	0.00	0.00	0.00	0.01	0.28%	0.00%	0.05%	0.00%	0.08%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.03	0.00	0.00	0.01	0.00%	0.33%	0.00%	0.00%	0.14%	
	Lighting	0.03	0.00	0.01	0.05	0.02	0.32%	0.00%	0.19%	0.55%	0.22%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.02	0.02	0.00	0.01	0.00%	0.26%	0.39%	0.00%	0.14%	
WEEE	Sub-total	0.06	0.05	0.04	0.12	0.06	0.61%	0.59%	0.63%	1.39%	0.78%	
Hazardous	Household batteries	0.01	0.00	0.00	0.00	0.00	0.07%	0.05%	0.05%	0.02%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.01	0.00	0.00	0.00	0.00%	0.07%	0.06%	0.03%	0.04%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.01	0.03	0.23	0.06	0.00%	0.10%	0.50%	2.72%	0.71%	
Hazardous	Sub-total	0.01	0.02	0.04	0.23	0.07	0.07%	0.22%	0.61%	2.78%	0.80%	
Organic Catering	Home Compostable food	0.71	0.41	0.60	1.55	0.75	7.40%	5.11%	10.08%	18.59%	9.17%	
	Unused home compostable food	0.37	0.23	0.19	0.07	0.22	3.86%	2.84%	3.24%	0.81%	2.66%	
	Non-home compostable food	0.96	0.97	0.39	1.39	1.00	10.09%	12.06%	6.54%	16.70%	12.21%	
	Unused non-home compostable food	0.33	0.16	0.25	0.12	0.20	3.43%	1.98%	4.23%	1.39%	2.39%	
Organic Catering	Sub-total	2.37	1.77	1.43	3.12	2.17	24.78%	21.99%	24.10%	37.48%	26.43%	
Organic Non-catering	Garden	0.00	0.43	0.12	0.00	0.20	0.00%	5.29%	2.05%	0.00%	2.47%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.07	0.80	0.18	0.24	0.45	0.76%	9.96%	2.97%	2.91%	5.45%	
Organic Non-catering	Sub-total	0.07	1.23	0.30	0.24	0.65	0.76%	15.25%	5.02%	2.91%	7.92%	
Fines	Material less than 10mm	0.45	0.26	0.25	0.34	0.32	4.76%	3.21%	4.25%	4.03%	3.88%	
	Sub-total	0.45	0.26	0.25	0.34	0.32	4.76%	3.21%	4.25%	4.03%	3.88%	
TOTAL		9.55	8.04	5.94	8.33	8.22	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Residual Waste, June 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	SEF	1	3	4	5	SEF
Paper	Newspapers	0.70	0.15	0.14	0.15	0.27	9.10%	1.76%	2.20%	1.76%	3.36%
	Magazines	0.16	0.19	0.08	0.22	0.18	2.02%	2.32%	1.37%	2.61%	2.25%
	Other recyclable paper	0.20	0.19	0.11	0.39	0.23	2.55%	2.28%	1.85%	4.71%	2.88%
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.56	0.91	0.24	1.00	0.78	7.24%	10.98%	3.92%	11.92%	9.84%
Paper	Sub-total	1.61	1.44	0.58	1.76	1.46	20.92%	17.34%	9.35%	21.00%	18.33%
Card	Liquid cartons	0.02	0.02	0.01	0.03	0.02	0.22%	0.26%	0.19%	0.39%	0.28%
	Board packaging	0.29	0.41	0.10	0.28	0.32	3.78%	4.90%	1.58%	3.31%	4.01%
	Card packaging	0.55	0.39	0.28	0.62	0.47	7.13%	4.70%	4.49%	7.41%	5.85%
	Other card	0.04	0.05	0.10	0.03	0.05	0.48%	0.58%	1.65%	0.37%	0.59%
Card	Sub-total	0.89	0.87	0.49	0.96	0.85	11.61%	10.45%	7.91%	11.49%	10.74%
Dense Plastic	Plastic Bottles: PET	0.17	0.10	0.17	0.35	0.18	2.15%	1.25%	2.74%	4.21%	2.27%
	PET Coloured	0.02	0.01	0.01	0.04	0.02	0.28%	0.16%	0.23%	0.49%	0.27%
	HDPE	0.14	0.04	0.12	0.12	0.09	1.86%	0.51%	1.88%	1.46%	1.14%
	HDPE Coloured	0.07	0.02	0.03	0.08	0.05	0.89%	0.30%	0.45%	0.94%	0.59%
	Other	0.02	0.01	0.02	0.01	0.01	0.29%	0.07%	0.29%	0.10%	0.14%
	Other packaging	0.39	0.30	0.20	0.47	0.35	5.05%	3.66%	3.24%	5.59%	4.38%
	Other dense plastic	0.13	0.12	0.10	0.12	0.12	1.63%	1.47%	1.60%	1.44%	1.51%
Dense Plastic	Sub-total	0.93	0.61	0.64	1.19	0.82	12.14%	7.41%	10.44%	14.23%	10.30%
Plastic Film	Packaging film	0.29	0.20	0.20	0.27	0.23	3.83%	2.40%	3.23%	3.16%	2.95%
	Other plastic film	0.19	0.23	0.29	0.51	0.29	2.44%	2.83%	4.63%	6.11%	3.68%
Plastic Film	Sub-total	0.48	0.43	0.48	0.78	0.53	6.27%	5.22%	7.86%	9.27%	6.63%
Textiles	Textiles	0.18	0.07	0.08	0.42	0.17	2.36%	0.80%	1.25%	5.07%	2.19%
	Shoes	0.04	0.01	0.11	0.02	0.03	0.48%	0.18%	1.72%	0.27%	0.39%
Textiles	Sub-total	0.22	0.08	0.18	0.45	0.20	2.84%	0.97%	2.97%	5.34%	2.58%
Miscellaneous Combustibles	Treated wood	0.23	0.01	0.09	0.01	0.07	3.03%	0.08%	1.53%	0.18%	0.85%
	Untreated wood	0.00	0.01	0.00	0.00	0.01	0.02%	0.13%	0.04%	0.05%	0.08%
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.61	0.50	0.66	0.19	0.47	7.89%	6.03%	10.68%	2.30%	5.91%
	Other misc. comb.	0.08	0.14	0.06	0.07	0.10	1.10%	1.69%	0.92%	0.86%	1.31%
	Carpet and underlay	0.00	0.01	0.12	0.00	0.02	0.00%	0.08%	2.02%	0.00%	0.20%
Miscellaneous Combustibles	Sub-total	0.93	0.66	0.94	0.28	0.66	12.05%	8.01%	15.19%	3.39%	8.34%
Glass	Glass bottles	0.03	0.21	0.03	0.31	0.17	0.43%	2.50%	0.46%	3.67%	2.17%
	Glass jars	0.12	0.09	0.04	0.17	0.11	1.51%	1.09%	0.71%	1.99%	1.36%
	Other glass	0.01	0.01	0.02	0.00	0.01	0.14%	0.08%	0.29%	0.04%	0.10%
Glass	Sub-total	0.16	0.30	0.09	0.48	0.29	2.09%	3.67%	1.46%	5.70%	3.64%
Miscellaneous Non-combustibles	Construction and demolition	0.03	0.75	0.00	0.06	0.36	0.38%	9.05%	0.05%	0.68%	4.47%
	Other misc.non.comb	0.10	0.04	0.20	0.04	0.07	1.30%	0.47%	3.17%	0.42%	0.86%
Miscellaneous Non-combustibles	Sub-total	0.13	0.79	0.20	0.09	0.42	1.68%	9.52%	3.22%	1.11%	5.33%
Ferrous Metal	Ferrous food cans	0.08	0.01	0.10	0.16	0.07	1.02%	0.15%	1.70%	1.85%	0.87%
	Ferrous beverage cans	0.00	0.01	0.01	0.12	0.03	0.00%	0.09%	0.16%	1.46%	0.41%
	Ferrous aerosols	0.00	0.01	0.00	0.02	0.01	0.00%	0.15%	0.06%	0.25%	0.13%
	Other ferrous metal	0.21	0.12	0.00	0.00	0.10	2.71%	1.40%	0.03%	0.05%	1.25%
Ferrous Metal	Sub-total	0.29	0.15	0.12	0.30	0.21	3.72%	1.79%	1.96%	3.61%	2.65%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.01	0.00	0.00	0.00	0.01%	0.10%	0.00%	0.01%	0.05%
	Non-ferrous beverage cans	0.03	0.01	0.03	0.03	0.02	0.39%	0.16%	0.53%	0.39%	0.29%
	Non-ferrous aerosols	0.00	0.01	0.00	0.02	0.01	0.03%	0.16%	0.03%	0.21%	0.13%
	Other non-ferrous metal	0.04	0.06	0.06	0.06	0.05	0.48%	0.67%	0.95%	0.74%	0.67%
Non-ferrous Metal	Sub-total	0.07	0.09	0.09	0.11	0.09	0.90%	1.09%	1.52%	1.34%	1.15%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.01	0.07	0.03	0.07	0.05	0.13%	0.89%	0.44%	0.78%	0.67%
	Elec. & Electronic Tools	0.00	0.01	0.00	0.00	0.00	0.00%	0.08%	0.00%	0.00%	0.04%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.00%	0.00%	0.03%
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.01	0.04	0.00	0.01	0.02	0.13%	0.44%	0.03%	0.14%	0.27%
WEEE	Sub-total	0.02	0.12	0.03	0.08	0.08	0.26%	1.48%	0.47%	0.92%	1.00%
Hazardous	Household batteries	0.01	0.01	0.01	0.01	0.01	0.18%	0.09%	0.17%	0.14%	0.13%
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.01	0.02	0.01	0.00	0.01	0.19%	0.27%	0.11%	0.00%	0.17%
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other pntt. haz.	0.00	0.01	0.02	0.07	0.02	0.05%	0.09%	0.34%	0.87%	0.29%
Hazardous	Sub-total	0.03	0.04	0.04	0.08	0.05	0.43%	0.45%	0.62%	1.01%	0.59%
Organic Catering	Home Compostable food	0.79	0.43	0.62	0.79	0.61	10.29%	5.16%	10.11%	9.46%	7.68%
	Unused home compostable food	0.37	0.24	0.20	0.22	0.26	4.81%	2.84%	3.30%	2.61%	3.24%
	Non-home compostable food	0.28	0.57	0.59	0.25	0.44	3.70%	6.91%	9.52%	2.96%	5.49%
	Unused non-home compostable food	0.19	0.58	0.28	0.37	0.41	2.49%	6.94%	4.61%	4.39%	5.19%
Organic Catering	Sub-total	1.64	1.81	1.70	1.63	1.72	21.29%	21.85%	27.53%	19.42%	21.61%
Organic Non-catering	Garden	0.00	0.04	0.22	0.00	0.04	0.04%	0.48%	3.58%	0.02%	0.53%
	Soil	0.00	0.26	0.00	0.00	0.12	0.00%	3.10%	0.00%	0.00%	1.45%
	Other organic	0.23	0.38	0.21	0.09	0.26	2.95%	4.54%	3.44%	1.04%	3.27%
Organic Non-catering	Sub-total	0.23	0.67	0.43	0.09	0.42	2.99%	8.13%	7.01%	1.06%	5.25%
Fines	Material less than 10mm	0.06	0.22	0.15	0.09	0.15	0.81%	2.64%	2.50%	1.13%	1.88%
Fines	Sub-total	0.06	0.22	0.15	0.09	0.15	0.81%	2.64%	2.50%	1.13%	1.88%
TOTAL		7.68	8.29	6.17	8.39	7.96	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Sefton Residual Waste, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	0.38	0.12	0.10	0.12	0.18	4.38%	1.51%	1.61%	1.43%	2.18%	
	Magazines	0.15	0.18	0.11	0.13	0.16	1.79%	2.20%	1.81%	1.54%	1.92%	
	Other recyclable paper	0.24	0.33	0.12	0.35	0.29	2.73%	4.05%	2.05%	4.18%	3.61%	
	Paper packaging	0.00	0.02	0.01	0.37	0.09	0.00%	0.30%	0.14%	4.37%	1.17%	
	Non-recyclable paper	0.44	0.58	0.20	0.71	0.54	5.07%	7.05%	3.33%	8.47%	6.63%	
Paper	Sub-total	1.20	1.23	0.54	1.67	1.25	13.97%	15.11%	8.94%	19.98%	15.51%	
Card	Liquid cartons	0.02	0.02	0.01	0.02	0.02	0.26%	0.22%	0.18%	0.26%	0.24%	
	Board packaging	0.19	0.27	0.07	0.15	0.21	2.17%	3.36%	1.23%	1.85%	2.56%	
	Card packaging	0.53	0.33	0.24	0.46	0.40	6.14%	4.10%	3.96%	5.54%	4.91%	
	Other card	0.02	0.03	0.07	0.06	0.04	0.21%	0.38%	1.08%	0.71%	0.47%	
Card	Sub-total	0.76	0.66	0.39	0.70	0.66	8.78%	8.06%	6.46%	8.36%	8.17%	
Dense Plastic	Plastic Bottles:	PET	0.13	0.09	0.12	0.25	0.14	1.46%	1.05%	2.01%	3.05%	1.69%
		PET Coloured	0.01	0.01	0.01	0.03	0.02	0.13%	0.11%	0.19%	0.40%	0.19%
		HDPE	0.11	0.04	0.06	0.12	0.08	1.27%	0.53%	1.01%	1.38%	0.94%
		HDPE Coloured	0.07	0.03	0.03	0.05	0.04	0.76%	0.39%	0.57%	0.58%	0.54%
		Other	0.03	0.00	0.01	0.02	0.01	0.35%	0.03%	0.18%	0.24%	0.17%
	Other packaging	0.35	0.28	0.18	0.35	0.30	4.09%	3.44%	2.94%	4.22%	3.74%	
Dense Plastic	Sub-total	0.88	0.56	0.53	0.90	0.70	10.16%	6.87%	8.79%	10.75%	8.71%	
Plastic Film	Packaging film	0.32	0.25	0.18	0.24	0.28	3.73%	3.06%	2.90%	2.92%	3.17%	
	Other plastic film	0.21	0.22	0.25	0.35	0.25	2.45%	2.64%	4.09%	4.22%	3.08%	
Plastic Film	Sub-total	0.53	0.47	0.42	0.60	0.51	6.18%	5.70%	6.99%	7.14%	6.25%	
Textiles	Textiles	0.28	0.25	0.23	0.43	0.30	3.31%	3.06%	3.82%	5.19%	3.68%	
	Shoes	0.02	0.09	0.06	0.04	0.06	0.21%	1.13%	1.05%	0.48%	0.75%	
Textiles	Sub-total	0.30	0.34	0.30	0.47	0.36	3.52%	4.19%	4.88%	5.66%	4.43%	
Miscellaneous Combustibles	Treated wood	0.12	0.03	0.07	0.01	0.05	1.44%	0.33%	1.16%	0.09%	0.60%	
	Untreated wood	0.00	0.02	0.00	0.00	0.01	0.01%	0.21%	0.02%	0.02%	0.10%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.60	0.48	0.68	0.16	0.45	7.01%	5.85%	11.16%	1.90%	5.61%	
	Other misc. comb.	0.30	0.22	0.03	0.09	0.19	3.53%	2.64%	0.56%	1.13%	2.33%	
	Carpet and underlay	0.00	0.04	0.09	0.01	0.03	0.00%	0.51%	1.48%	0.09%	0.37%	
Miscellaneous Combustibles	Sub-total	1.03	0.78	0.87	0.27	0.73	11.99%	9.54%	14.37%	3.23%	9.01%	
Glass	Glass bottles	0.06	0.19	0.17	0.20	0.16	0.73%	2.33%	2.76%	2.34%	1.99%	
	Glass jars	0.06	0.12	0.07	0.09	0.10	0.72%	1.48%	1.11%	1.10%	1.19%	
	Other glass	0.01	0.03	0.01	0.00	0.02	0.12%	0.32%	0.24%	0.02%	0.20%	
Glass	Sub-total	0.14	0.34	0.25	0.29	0.27	1.58%	4.14%	4.12%	3.46%	3.37%	
Miscellaneous Non-combustibles	Construction and demolition	0.89	0.43	0.16	0.03	0.41	10.34%	5.24%	2.56%	0.34%	5.08%	
	Other misc.non.comb	0.09	0.02	0.12	0.06	0.06	1.02%	0.30%	1.97%	0.70%	0.70%	
Miscellaneous Non-combustibles	Sub-total	0.98	0.45	0.27	0.09	0.47	11.36%	5.54%	4.54%	1.04%	5.78%	
Ferrous Metal	Ferrous food cans	0.07	0.05	0.12	0.16	0.09	0.83%	0.67%	1.95%	1.91%	1.10%	
	Ferrous beverage cans	0.00	0.01	0.01	0.07	0.02	0.05%	0.11%	0.18%	0.87%	0.28%	
	Ferrous aerosols	0.01	0.02	0.01	0.01	0.01	0.08%	0.20%	0.14%	0.16%	0.16%	
	Other ferrous metal	0.18	0.09	0.05	0.02	0.09	2.04%	1.12%	0.80%	0.28%	1.11%	
Ferrous Metal	Sub-total	0.26	0.17	0.19	0.27	0.21	3.00%	2.09%	3.07%	3.22%	2.65%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.01	0.01	0.01	0.00	0.00%	0.06%	0.11%	0.09%	0.06%	
	Non-ferrous beverage cans	0.02	0.01	0.04	0.02	0.02	0.28%	0.10%	0.64%	0.27%	0.22%	
	Non-ferrous aerosols	0.00	0.01	0.00	0.02	0.01	0.05%	0.14%	0.05%	0.21%	0.13%	
	Other non-ferrous metal	0.04	0.05	0.04	0.05	0.05	0.46%	0.62%	0.65%	0.55%	0.57%	
Non-ferrous Metal	Sub-total	0.07	0.08	0.09	0.09	0.08	0.80%	0.92%	1.45%	1.12%	0.98%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.04	0.01	0.00%	0.00%	0.00%	0.42%	0.10%	
	IT & Telecoms Equip.	0.01	0.00	0.00	0.00	0.00	0.16%	0.00%	0.02%	0.00%	0.04%	
	Consumer Equip.	0.01	0.04	0.01	0.03	0.03	0.06%	0.45%	0.22%	0.39%	0.33%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.00%	0.02%	
	Toys, Leisure & Sports Equip.	0.00	0.02	0.00	0.00	0.01	0.00%	0.19%	0.00%	0.00%	0.09%	
	Lighting	0.02	0.00	0.01	0.02	0.01	0.18%	0.00%	0.09%	0.27%	0.12%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.01	0.03	0.01	0.01	0.02	0.06%	0.35%	0.21%	0.07%	0.21%	
WEEE	Sub-total	0.04	0.08	0.03	0.10	0.07	0.45%	1.04%	0.55%	1.15%	0.89%	
Hazardous	Household batteries	0.01	0.01	0.01	0.01	0.01	0.12%	0.07%	0.11%	0.08%	0.09%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.00	0.01	0.09%	0.17%	0.08%	0.01%	0.11%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.01	0.03	0.15	0.04	0.02%	0.10%	0.42%	1.79%	0.50%	
Hazardous	Sub-total	0.02	0.03	0.04	0.16	0.06	0.23%	0.34%	0.61%	1.89%	0.70%	
Organic Catering	Home Compostable food	0.75	0.42	0.61	1.17	0.68	8.69%	5.14%	10.09%	14.01%	8.44%	
	Unused home compostable food	0.37	0.23	0.20	0.14	0.24	4.29%	2.84%	3.27%	1.71%	2.95%	
	Non-home compostable food	0.62	0.77	0.49	0.82	0.72	7.24%	9.44%	8.06%	9.81%	8.90%	
	Unused non-home compostable food	0.26	0.37	0.27	0.24	0.30	3.01%	4.50%	4.42%	2.89%	3.77%	
Organic Catering	Sub-total	2.00	1.79	1.56	2.38	1.95	23.22%	21.92%	25.84%	28.43%	24.06%	
Organic Non-catering	Garden	0.00	0.23	0.17	0.00	0.12	0.02%	2.85%	2.83%	0.01%	1.51%	
	Soil	0.00	0.13	0.00	0.00	0.06	0.00%	1.57%	0.00%	0.00%	0.71%	
	Other organic	0.15	0.59	0.19	0.16	0.35	1.73%	7.21%	3.21%	1.97%	4.38%	
Organic Non-catering	Sub-total	0.15	0.95	0.37	0.17	0.53	1.75%	11.63%	6.03%	1.98%	6.61%	
Fines	Material less than 10mm	0.26	0.24	0.20	0.22	0.23	3.00%	2.92%	3.36%	2.58%	2.89%	
	Sub-total	0.26	0.24	0.20	0.22	0.23	3.00%	2.92%	3.36%	2.58%	2.89%	
TOTAL		8.62	8.16	6.05	8.36	8.09	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Garden Waste, March 2010									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		1	3	5	SEF	1	3	5	SEF
Paper	Newspapers	0.00	0.01	0.00	0.00	0.00%	0.64%	0.00%	0.21%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Paper	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.64%	0.00%	0.21%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Card packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.01%
	Other card	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.02%	0.01%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.01%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%
Other dense plastic	0.01	0.00	0.00	0.00	0.22%	0.00%	0.00%	0.08%	
Dense Plastic	Sub-total	0.01	0.00	0.00	0.00	0.24%	0.00%	0.02%	0.10%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.01%
	Other plastic film	0.00	0.00	0.00	0.00	0.15%	0.00%	0.05%	0.07%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.16%	0.00%	0.05%	0.08%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.06%	0.00%	0.00%	0.02%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.06%	0.00%	0.00%	0.02%
Miscellaneous Combustibles	Treated wood	0.04	0.00	0.00	0.01	1.39%	0.00%	0.12%	0.54%
	Untreated wood	0.01	0.00	0.00	0.00	0.29%	0.00%	0.00%	0.11%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.05	0.00	0.00	0.01	1.68%	0.00%	0.12%	0.65%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.01	0.00	0.00	0.00	0.34%	0.00%	0.00%	0.12%
Miscellaneous Non-combustibles	Sub-total	0.01	0.00	0.00	0.00	0.34%	0.00%	0.00%	0.12%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.02	0.00	0.00	0.00	0.71%	0.00%	0.00%	0.26%
Ferrous Metal	Sub-total	0.02	0.00	0.00	0.00	0.71%	0.00%	0.00%	0.26%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Other prtl. haz.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.01	0.02	0.00	0.01	0.23%	1.40%	0.00%	0.55%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.01	0.02	0.00	0.01	0.23%	1.40%	0.00%	0.55%
Organic Non-catering	Garden	1.87	0.81	1.25	1.06	68.55%	66.89%	55.80%	64.08%
	Soil	0.77	0.38	0.99	0.56	28.02%	31.07%	43.99%	33.93%
	Other organic	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	2.64	1.19	2.24	1.63	96.57%	97.96%	99.79%	98.01%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
TOTAL		2.73	1.22	2.25	1.66	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Garden Waste, June 2010									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		1	3	5	SEF	1	3	5	SEF
Paper	Newspapers	0.00	0.03	0.00	0.01	0.00%	0.50%	0.00%	0.20%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.02	0.00	0.00	0.01	0.19%	0.00%	0.06%	0.09%
Paper	Sub-total	0.02	0.03	0.00	0.02	0.19%	0.50%	0.06%	0.28%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Card packaging	0.01	0.00	0.00	0.00	0.10%	0.00%	0.00%	0.04%
	Other card	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.01	0.00	0.00	0.00	0.10%	0.00%	0.00%	0.04%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.00%	0.02%	0.00%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.01%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
Other dense plastic	0.00	0.00	0.00	0.00	0.04%	0.00%	0.00%	0.02%	
Dense Plastic	Sub-total	0.01	0.00	0.00	0.00	0.07%	0.00%	0.02%	0.03%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.04%	0.00%	0.00%	0.01%
	Other plastic film	0.00	0.00	0.00	0.00	0.04%	0.00%	0.04%	0.03%
Plastic Film	Sub-total	0.01	0.00	0.00	0.00	0.08%	0.00%	0.04%	0.04%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Untreated wood	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.01%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.01%	0.00%	0.01%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Other prtl. haz.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.04	0.00	0.00	0.01	0.39%	0.00%	0.08%	0.17%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.04	0.00	0.00	0.01	0.39%	0.00%	0.08%	0.17%
Organic Non-catering	Garden	9.36	3.93	3.98	4.73	89.20%	73.71%	67.28%	78.22%
	Soil	1.05	1.37	1.92	1.28	9.97%	25.78%	32.51%	21.21%
	Other organic	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	10.41	5.30	5.90	6.01	99.17%	99.50%	99.79%	99.43%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
TOTAL		10.49	5.33	5.91	6.05	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Garden Waste, Study Average									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		1	3	5	SEF	1	3	5	SEF
Paper	Newspapers	0.00	0.02	0.00	0.01	0.00%	0.53%	0.00%	0.20%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.01	0.00	0.00	0.00	0.15%	0.00%	0.05%	0.07%
Paper	Sub-total	0.01	0.02	0.00	0.01	0.15%	0.53%	0.05%	0.27%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Card packaging	0.01	0.00	0.00	0.00	0.08%	0.00%	0.01%	0.03%
	Other card	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.01	0.00	0.00	0.00	0.08%	0.00%	0.01%	0.03%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.00%	0.02%	0.01%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
Other dense plastic	0.01	0.00	0.00	0.00	0.08%	0.00%	0.00%	0.03%	
Dense Plastic	Sub-total	0.01	0.00	0.00	0.00	0.10%	0.00%	0.02%	0.04%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.03%	0.00%	0.00%	0.01%
	Other plastic film	0.00	0.00	0.00	0.00	0.06%	0.00%	0.05%	0.03%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.10%	0.00%	0.05%	0.05%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.02	0.00	0.00	0.00	0.29%	0.00%	0.03%	0.12%
	Untreated wood	0.00	0.00	0.00	0.00	0.06%	0.00%	0.00%	0.02%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.02	0.00	0.00	0.01	0.35%	0.00%	0.03%	0.14%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.07%	0.00%	0.00%	0.03%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.07%	0.00%	0.00%	0.03%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.01	0.00	0.00	0.00	0.15%	0.00%	0.00%	0.06%
Ferrous Metal	Sub-total	0.01	0.00	0.00	0.00	0.15%	0.00%	0.00%	0.06%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Other prtl. haz.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.02	0.01	0.00	0.01	0.36%	0.26%	0.06%	0.25%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.02	0.01	0.00	0.01	0.36%	0.26%	0.06%	0.25%
Organic Non-catering	Garden	5.62	2.37	2.61	2.90	84.93%	72.44%	64.12%	75.18%
	Soil	0.91	0.88	1.45	0.92	13.70%	26.77%	35.67%	23.95%
	Other organic	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	6.52	3.25	4.07	3.82	98.63%	99.21%	99.79%	99.13%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
TOTAL		6.61	3.27	4.08	3.85	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Dry Recyclables, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	0.64	1.11	0.44	0.40	0.77	21.64%	39.73%	29.21%	19.44%	30.64%	
	Magazines	0.66	0.32	0.14	0.18	0.35	22.31%	11.55%	9.60%	8.98%	13.75%	
	Other recyclable paper	0.12	0.10	0.08	0.19	0.12	4.18%	3.58%	5.58%	9.06%	4.87%	
	Paper packaging	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.64%	0.12%	
	Non-recyclable paper	0.00	0.06	0.04	0.00	0.03	0.00%	2.14%	2.45%	0.19%	1.24%	
Paper	Sub-total	1.43	1.59	0.70	0.79	1.28	48.13%	57.01%	46.83%	38.30%	50.62%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.24%	0.04%	
	Board packaging	0.01	0.00	0.00	0.01	0.00	0.45%	0.00%	0.00%	0.25%	0.16%	
	Card packaging	0.02	0.00	0.00	0.02	0.01	0.65%	0.00%	0.00%	1.20%	0.39%	
	Other card	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.32%	0.06%	
Card	Sub-total	0.03	0.00	0.00	0.04	0.02	1.09%	0.00%	0.00%	2.01%	0.66%	
Dense Plastic	Plastic Bottles:	PET	0.01	0.00	0.00	0.01	0.01	0.43%	0.00%	0.00%	0.62%	0.23%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
		HDPE	0.01	0.00	0.00	0.01	0.00	0.24%	0.00%	0.00%	0.31%	0.12%
		HDPE Coloured	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.26%	0.05%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other packaging	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	1.09%	0.20%	
Other dense plastic	0.00	0.00	0.00	0.04	0.01	0.00%	0.00%	0.00%	1.77%	0.33%		
Dense Plastic	Sub-total	0.02	0.00	0.00	0.08	0.02	0.67%	0.00%	0.00%	4.05%	0.92%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.02	0.00	0.02%	0.00%	0.00%	0.94%	0.18%	
	Other plastic film	0.00	0.00	0.00	0.01	0.00	0.03%	0.00%	0.12%	0.67%	0.14%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.03	0.01	0.04%	0.00%	0.12%	1.61%	0.32%	
Textiles	Textiles	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.66%	0.12%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.66%	0.12%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.03	0.01	0.00%	0.00%	0.00%	1.59%	0.29%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.03	0.01	0.00%	0.00%	0.00%	1.59%	0.29%	
Glass	Glass bottles	0.98	0.60	0.47	0.48	0.64	32.85%	21.69%	31.39%	23.13%	25.45%	
	Glass jars	0.26	0.31	0.15	0.16	0.25	8.79%	11.30%	9.82%	7.95%	9.94%	
	Other glass	0.03	0.00	0.00	0.00	0.01	1.03%	0.00%	0.00%	0.00%	0.27%	
Glass	Sub-total	1.27	0.92	0.61	0.64	0.90	42.67%	32.99%	41.21%	31.08%	35.66%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.08	0.02	0.00%	0.00%	0.00%	3.78%	0.70%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.08	0.02	0.00%	0.00%	0.00%	3.78%	0.70%	
Ferrous Metal	Ferrous food cans	0.14	0.15	0.10	0.10	0.13	4.57%	5.29%	6.73%	4.92%	5.12%	
	Ferrous beverage cans	0.00	0.01	0.06	0.01	0.01	0.09%	0.36%	3.87%	0.51%	0.53%	
	Ferrous aerosols	0.01	0.00	0.00	0.00	0.00	0.29%	0.06%	0.00%	0.00%	0.11%	
	Other ferrous metal	0.00	0.06	0.00	0.00	0.02	0.00%	1.99%	0.00%	0.00%	0.99%	
Ferrous Metal	Sub-total	0.15	0.21	0.16	0.11	0.17	4.96%	7.71%	10.60%	5.43%	6.75%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.01	0.00	0.00	0.01	0.34%	0.28%	0.00%	0.04%	0.23%	
	Non-ferrous beverage cans	0.06	0.04	0.02	0.06	0.04	1.93%	1.30%	1.21%	2.88%	1.75%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.11%	0.00%	0.00%	0.04%	0.04%	
	Other non-ferrous metal	0.00	0.01	0.00	0.00	0.01	0.06%	0.36%	0.02%	0.08%	0.21%	
Non-ferrous Metal	Sub-total	0.07	0.05	0.02	0.06	0.06	2.44%	1.92%	1.23%	3.05%	2.22%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.45%	0.08%	
WEEE	Sub-total	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.45%	0.08%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.13%	0.02%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.13%	0.02%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.06	0.01	0.00%	0.00%	0.00%	2.85%	0.53%	
	Unused home compostable food	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.38%	0.07%	
	Non-home compostable food	0.00	0.00	0.00	0.08	0.02	0.00%	0.00%	0.00%	3.65%	0.67%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.14	0.03	0.00%	0.00%	0.00%	6.88%	1.27%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Fines	Material less than 10mm	0.00	0.01	0.00	0.02	0.01	0.00%	0.37%	0.00%	0.97%	0.36%	
Fines	Sub-total	0.00	0.01	0.00	0.02	0.01	0.00%	0.37%	0.00%	0.97%	0.36%	
TOTAL		2.97	2.78	1.49	2.05	2.52	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Dry Recyclables, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	1.31	1.57	0.38	0.25	1.09	40.45%	29.97%	33.57%	17.38%	31.03%	
	Magazines	0.33	0.83	0.20	0.33	0.54	10.15%	15.87%	17.55%	22.75%	15.41%	
	Other recyclable paper	0.15	0.17	0.02	0.03	0.12	4.54%	3.24%	1.62%	1.84%	3.32%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.12	0.01	0.00	0.00	0.03	3.65%	0.11%	0.00%	0.00%	0.82%	
Paper	Sub-total	1.90	2.58	0.60	0.62	1.78	58.79%	49.19%	52.73%	41.97%	50.58%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Board packaging	0.00	0.00	0.01	0.01	0.00	0.00%	0.00%	0.80%	1.00%	0.12%	
	Card packaging	0.01	0.00	0.00	0.00	0.00	0.25%	0.00%	0.42%	0.18%	0.08%	
	Other card	0.00	0.01	0.00	0.01	0.01	0.09%	0.16%	0.00%	0.66%	0.19%	
Card	Sub-total	0.01	0.01	0.01	0.03	0.01	0.34%	0.16%	1.22%	1.84%	0.39%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.13%	0.01%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.09%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.08%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.15%	0.00%	0.00%		
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.32%	0.13%	0.02%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.09%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.12%	0.10%	0.05%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.20%	0.10%	0.05%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.71	1.54	0.34	0.64	1.03	22.04%	29.49%	29.47%	43.88%	29.34%	
	Glass jars	0.29	0.51	0.05	0.07	0.31	8.99%	9.69%	4.36%	4.51%	8.87%	
	Other glass	0.01	0.00	0.00	0.00	0.00	0.22%	0.00%	0.00%	0.00%	0.04%	
Glass	Sub-total	1.01	2.05	0.39	0.71	1.34	31.25%	39.17%	33.83%	48.39%	38.25%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.04	0.00	0.00	0.02	0.00%	0.76%	0.00%	0.00%	0.51%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.04	0.00	0.00	0.02	0.00%	0.76%	0.00%	0.00%	0.51%	
Ferrous Metal	Ferrous food cans	0.16	0.34	0.08	0.08	0.21	4.63%	6.46%	7.27%	5.24%	6.04%	
	Ferrous beverage cans	0.06	0.03	0.03	0.02	0.03	1.71%	0.52%	2.28%	1.07%	0.88%	
	Ferrous aerosols	0.00	0.02	0.00	0.00	0.01	0.04%	0.29%	0.32%	0.12%	0.23%	
	Other ferrous metal	0.00	0.04	0.00	0.00	0.02	0.00%	0.82%	0.25%	0.00%	0.56%	
Ferrous Metal	Sub-total	0.21	0.42	0.12	0.09	0.27	6.58%	8.10%	10.12%	6.42%	7.70%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.00	0.00	0.20%	0.04%	0.11%	0.00%	0.07%	
	Non-ferrous beverage cans	0.09	0.12	0.01	0.01	0.08	2.83%	2.37%	1.01%	0.89%	2.28%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.11%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.09%	0.05%	0.03%	0.06%	
Non-ferrous Metal	Sub-total	0.10	0.13	0.01	0.01	0.08	3.03%	2.50%	1.28%	0.92%	2.42%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.10%	0.00%	0.00%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.08%	0.00%	0.00%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.18%	0.00%	0.01%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.07%	0.12%	0.21%	0.07%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.07%	0.12%	0.21%	0.07%	
TOTAL		3.23	5.24	1.14	1.47	3.51	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Seton Dry Recyclables, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	0.97	1.34	0.41	0.33	0.93	31.44%	33.36%	31.10%	18.58%	30.86%	
	Magazines	0.50	0.58	0.17	0.26	0.44	15.97%	14.37%	13.04%	14.71%	14.72%	
	Other recyclable paper	0.14	0.13	0.05	0.11	0.12	4.37%	3.36%	3.86%	6.05%	3.97%	
	Paper packaging	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.37%	0.05%	
	Non-recyclable paper	0.06	0.03	0.02	0.00	0.03	1.90%	0.82%	1.39%	0.11%	1.00%	
Paper	Sub-total	1.66	2.08	0.65	0.70	1.53	53.69%	51.90%	49.39%	39.83%	50.60%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.14%	0.02%	
	Board packaging	0.01	0.00	0.00	0.01	0.00	0.21%	0.00%	0.35%	0.57%	0.14%	
	Card packaging	0.01	0.00	0.00	0.01	0.01	0.44%	0.00%	0.18%	0.78%	0.21%	
	Other card	0.00	0.00	0.00	0.01	0.00	0.05%	0.10%	0.00%	0.46%	0.13%	
Card	Sub-total	0.02	0.00	0.01	0.03	0.02	0.70%	0.10%	0.53%	1.94%	0.50%	
Dense Plastic	Plastic Bottles:	PET	0.01	0.00	0.00	0.01	0.00	0.20%	0.00%	0.00%	0.42%	0.10%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.04%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.12%	0.00%	0.03%	0.18%	0.05%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.15%	0.02%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.64%	0.08%	
	Other dense plastic	0.00	0.00	0.00	0.02	0.00	0.00%	0.00%	0.06%	1.03%	0.14%	
Dense Plastic	Sub-total	0.01	0.00	0.00	0.04	0.01	0.32%	0.00%	0.14%	2.42%	0.40%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.01	0.00	0.01%	0.00%	0.04%	0.55%	0.08%	
	Other plastic film	0.00	0.00	0.00	0.01	0.00	0.01%	0.04%	0.12%	0.43%	0.09%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.02	0.00	0.02%	0.04%	0.16%	0.98%	0.16%	
Textiles	Textiles	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.39%	0.05%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.39%	0.05%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.02	0.00	0.00%	0.00%	0.00%	0.93%	0.12%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.02	0.00	0.00%	0.00%	0.00%	0.93%	0.12%	
Glass	Glass bottles	0.84	1.07	0.40	0.56	0.84	27.22%	26.78%	30.56%	31.77%	27.71%	
	Glass jars	0.28	0.41	0.10	0.11	0.28	8.89%	10.25%	7.45%	6.52%	9.32%	
	Other glass	0.02	0.00	0.00	0.00	0.00	0.61%	0.00%	0.00%	0.00%	0.14%	
Glass	Sub-total	1.14	1.48	0.50	0.67	1.12	36.72%	37.03%	38.01%	38.29%	37.17%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.02	0.00	0.04	0.02	0.00%	0.50%	0.00%	2.21%	0.59%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.02	0.00	0.04	0.02	0.00%	0.50%	0.00%	2.21%	0.59%	
Ferrous Metal	Ferrous food cans	0.15	0.24	0.09	0.09	0.17	4.70%	6.05%	6.96%	5.05%	5.66%	
	Ferrous beverage cans	0.03	0.02	0.04	0.01	0.02	0.94%	0.47%	3.18%	0.74%	0.73%	
	Ferrous aerosols	0.01	0.01	0.00	0.00	0.01	0.16%	0.21%	0.14%	0.05%	0.18%	
	Other ferrous metal	0.00	0.05	0.00	0.00	0.02	0.00%	1.23%	0.11%	0.00%	0.74%	
Ferrous Metal	Sub-total	0.18	0.32	0.14	0.10	0.22	5.80%	7.96%	10.39%	5.84%	7.30%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.00	0.00	0.27%	0.12%	0.05%	0.02%	0.13%	
	Non-ferrous beverage cans	0.07	0.08	0.01	0.04	0.06	2.40%	2.00%	1.13%	2.05%	2.06%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.05%	0.00%	0.05%	0.02%	0.02%	
	Other non-ferrous metal	0.00	0.01	0.00	0.00	0.00	0.03%	0.18%	0.04%	0.06%	0.13%	
Non-ferrous Metal	Sub-total	0.09	0.09	0.02	0.04	0.07	2.75%	2.30%	1.26%	2.16%	2.33%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.26%	0.04%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.26%	0.04%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.08%	0.01%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.08%	0.01%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.03	0.01	0.00%	0.00%	0.04%	1.67%	0.22%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.22%	0.03%	
	Non-home compostable food	0.00	0.00	0.00	0.04	0.01	0.00%	0.00%	0.03%	2.13%	0.28%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.07	0.02	0.00%	0.00%	0.08%	4.02%	0.54%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Fines	Material less than 10mm	0.00	0.01	0.00	0.01	0.01	0.00%	0.17%	0.05%	0.65%	0.19%	
Fines	Sub-total	0.00	0.01	0.00	0.01	0.01	0.00%	0.17%	0.05%	0.65%	0.19%	
TOTAL		3.10	4.01	1.32	1.76	3.02	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Food Waste, March 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	SEF	1	3	4	5	SEF
Paper	Newspapers	0.00	0.00	0.00	0.01	0.00	1.75%	0.00%	0.80%	3.67%	0.98%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Paper	Sub-total	0.00	0.00	0.00	0.01	0.00	1.75%	0.00%	0.80%	3.67%	0.98%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.22%	0.00%	0.01%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.22%	0.00%	0.01%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.03%	0.08%	0.02%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.09%	0.04%	0.01%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.12%	0.12%	0.03%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.08	0.28	0.07	0.17	0.19	46.45%	46.36%	49.35%	44.90%	46.16%
	Unused home compostable food	0.03	0.15	0.01	0.01	0.07	16.59%	24.58%	3.54%	1.39%	18.07%
	Non-home compostable food	0.06	0.16	0.06	0.13	0.12	35.21%	27.52%	41.23%	34.78%	30.30%
	Unused non-home compostable food	0.00	0.01	0.01	0.06	0.02	0.00%	1.55%	4.59%	15.14%	4.44%
Organic Catering	Sub-total	0.17	0.59	0.14	0.37	0.40	98.25%	100.00%	98.71%	96.22%	98.98%
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.15%	0.00%	0.01%
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.15%	0.00%	0.01%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		0.17	0.59	0.14	0.38	0.41	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefon Food Waste, June 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	SEF	1	3	4	5	SEF
Paper	Newspapers	0.00	0.00	0.00	0.01	0.00	0.60%	0.00%	1.03%	3.40%	0.32%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.30%	0.17%	1.43%	0.00%	0.18%
Paper	Sub-total	0.00	0.00	0.00	0.01	0.00	0.90%	0.17%	2.45%	3.40%	0.50%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.70%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.70%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.18	0.68	0.01	0.08	0.36	42.80%	59.25%	44.66%	40.24%	55.61%
	Unused home compostable food	0.06	0.09	0.00	0.00	0.06	15.20%	7.87%	5.78%	1.31%	8.44%
	Non-home compostable food	0.15	0.30	0.00	0.11	0.19	36.05%	25.84%	33.81%	53.14%	29.16%
	Unused non-home compostable food	0.02	0.08	0.00	0.00	0.04	5.05%	6.82%	13.30%	1.22%	6.20%
Organic Catering	Sub-total	0.41	1.15	0.01	0.19	0.65	99.10%	99.78%	97.55%	95.91%	99.42%
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		0.41	1.15	0.01	0.20	0.66	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Seflon Food Waste, Study Average											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	SEF	1	3	4	5	SEF
Paper	Newspapers	0.00	0.00	0.00	0.01	0.00	0.94%	0.00%	0.82%	3.57%	0.57%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.21%	0.11%	0.13%	0.00%	0.11%
Paper	Sub-total	0.00	0.00	0.00	0.01	0.00	1.15%	0.11%	0.95%	3.57%	0.68%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.20%	0.00%	0.00%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.20%	0.00%	0.00%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.03%	0.05%	0.01%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.08%	0.26%	0.06%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.03%	0.11%	0.32%	0.06%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.13	0.48	0.04	0.13	0.28	43.86%	54.87%	48.94%	43.32%	52.00%
	Unused home compostable food	0.05	0.12	0.00	0.00	0.06	15.60%	13.55%	3.74%	1.36%	12.13%
	Non-home compostable food	0.10	0.23	0.03	0.12	0.16	35.80%	26.41%	40.57%	41.02%	29.59%
	Unused non-home compostable food	0.01	0.04	0.00	0.03	0.03	3.59%	5.03%	5.36%	10.41%	5.53%
Organic Catering	Sub-total	0.29	0.87	0.08	0.28	0.53	98.85%	98.86%	98.60%	96.11%	99.25%
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.14%	0.00%	0.00%
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.14%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
TOTAL		0.29	0.87	0.08	0.29	0.53	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Combined Kerbside Waste Streams, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	0.70	1.21	0.50	0.50	0.87	4.55%	9.62%	6.55%	3.87%	6.76%	
	Magazines	0.82	0.49	0.28	0.22	0.48	5.29%	3.87%	3.86%	1.71%	3.74%	
	Other recyclable paper	0.40	0.57	0.22	0.49	0.48	2.58%	4.53%	2.86%	3.76%	3.73%	
	Paper packaging	0.00	0.05	0.02	0.74	0.19	0.00%	0.38%	0.23%	5.71%	1.50%	
	Non-recyclable paper	0.32	0.30	0.20	0.42	0.32	2.06%	2.39%	2.61%	3.23%	2.51%	
Paper	Sub-total	2.23	2.62	1.21	2.38	2.34	14.48%	20.78%	15.91%	18.29%	18.23%	
Card	Liquid cartons	0.03	0.01	0.01	0.01	0.02	0.17%	0.12%	0.14%	0.11%	0.13%	
	Board packaging	0.10	0.14	0.05	0.04	0.10	0.63%	1.12%	0.68%	0.28%	0.77%	
	Card packaging	0.53	0.28	0.20	0.33	0.34	3.44%	2.22%	2.67%	2.54%	2.64%	
	Other card	0.00	0.01	0.03	0.09	0.03	0.00%	0.11%	0.39%	0.72%	0.24%	
Card	Sub-total	0.65	0.45	0.29	0.48	0.48	4.23%	3.56%	3.88%	3.66%	3.78%	
Dense Plastic	Plastic Bottles:	PET	0.10	0.07	0.07	0.17	0.10	0.64%	0.53%	0.98%	1.31%	0.77%
		PET Coloured	0.00	0.00	0.01	0.03	0.01	0.00%	0.04%	0.12%	0.20%	0.07%
		HDPE	0.08	0.04	0.01	0.11	0.07	0.54%	0.35%	0.08%	0.88%	0.51%
		HDPE Coloured	0.06	0.04	0.04	0.02	0.04	0.41%	0.31%	0.54%	0.19%	0.32%
		Other	0.04	0.00	0.00	0.03	0.02	0.25%	0.00%	0.05%	0.24%	0.12%
	Other packaging	0.32	0.26	0.16	0.26	0.26	2.06%	2.04%	2.07%	1.99%	2.04%	
Other dense plastic	0.24	0.09	0.13	0.06	0.12	1.57%	0.75%	1.72%	0.49%	0.97%		
Dense Plastic	Sub-total	0.84	0.51	0.42	0.69	0.61	5.48%	4.02%	5.56%	5.29%	4.79%	
Plastic Film	Packaging film	0.35	0.30	0.15	0.24	0.28	2.27%	2.38%	2.01%	1.86%	2.21%	
	Other plastic film	0.24	0.20	0.21	0.21	0.21	1.55%	1.56%	2.80%	1.61%	1.64%	
Plastic Film	Sub-total	0.59	0.50	0.36	0.45	0.49	3.82%	3.94%	4.80%	3.46%	3.85%	
Textiles	Textiles	0.39	0.43	0.39	0.46	0.42	2.53%	3.44%	5.09%	3.50%	3.31%	
	Shoes	0.00	0.17	0.02	0.06	0.09	0.00%	1.34%	0.28%	0.44%	0.71%	
Textiles	Sub-total	0.39	0.60	0.41	0.51	0.52	2.53%	4.78%	5.37%	3.94%	4.02%	
Miscellaneous Combustibles	Treated wood	0.05	0.05	0.05	0.00	0.04	0.35%	0.38%	0.61%	0.02%	0.30%	
	Untreated wood	0.01	0.02	0.00	0.00	0.01	0.05%	0.18%	0.00%	0.00%	0.09%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.60	0.45	0.69	0.16	0.44	3.90%	3.60%	9.14%	1.21%	3.47%	
	Other misc. comb.	0.52	0.29	0.01	0.12	0.27	3.39%	2.30%	0.14%	0.89%	2.13%	
	Carpet and underlay	0.00	0.08	0.05	0.02	0.04	0.00%	0.61%	0.72%	0.12%	0.34%	
Miscellaneous Combustibles	Sub-total	1.19	0.89	0.80	0.29	0.81	7.69%	7.08%	10.60%	2.24%	6.34%	
Glass	Glass bottles	1.07	0.78	0.77	0.56	0.79	6.93%	6.15%	10.21%	4.29%	6.18%	
	Glass jars	0.27	0.47	0.24	0.18	0.33	1.75%	3.69%	3.14%	1.39%	2.61%	
	Other glass	0.04	0.05	0.01	0.00	0.03	0.27%	0.37%	0.15%	0.00%	0.24%	
Glass	Sub-total	1.38	1.29	1.02	0.74	1.16	8.94%	10.21%	13.50%	5.67%	9.03%	
Miscellaneous Non-combustibles	Construction and demolition	1.75	0.10	0.31	0.00	0.47	11.36%	0.83%	4.05%	0.00%	3.64%	
	Other misc.non.comb	0.09	0.01	0.04	0.16	0.06	0.56%	0.08%	0.58%	1.22%	0.50%	
Miscellaneous Non-combustibles	Sub-total	1.84	0.12	0.35	0.16	0.53	11.92%	0.91%	4.63%	1.22%	4.14%	
Ferrous Metal	Ferrous food cans	0.20	0.24	0.23	0.27	0.24	1.30%	1.93%	3.06%	2.04%	1.86%	
	Ferrous beverage cans	0.01	0.02	0.07	0.03	0.03	0.07%	0.16%	0.92%	0.26%	0.21%	
	Ferrous aerosols	0.02	0.02	0.01	0.01	0.02	0.14%	0.17%	0.18%	0.04%	0.14%	
	Other ferrous metal	0.16	0.12	0.09	0.04	0.11	1.06%	0.96%	1.25%	0.33%	0.86%	
Ferrous Metal	Sub-total	0.40	0.41	0.41	0.35	0.39	2.58%	3.23%	5.41%	2.67%	3.06%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.01	0.01	0.01	0.01	0.07%	0.07%	0.17%	0.11%	0.09%	
	Non-ferrous beverage cans	0.08	0.04	0.06	0.07	0.06	0.49%	0.30%	0.83%	0.55%	0.44%	
	Non-ferrous aerosols	0.01	0.01	0.00	0.02	0.01	0.06%	0.07%	0.05%	0.14%	0.08%	
	Other non-ferrous metal	0.04	0.06	0.02	0.03	0.04	0.29%	0.45%	0.27%	0.25%	0.35%	
Non-ferrous Metal	Sub-total	0.14	0.11	0.10	0.14	0.12	0.91%	0.90%	1.32%	1.06%	0.96%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.07	0.02	0.00%	0.00%	0.00%	0.54%	0.12%	
	IT & Telecoms Equip.	0.03	0.00	0.00	0.00	0.01	0.17%	0.00%	0.04%	0.00%	0.05%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.03	0.00	0.00	0.01	0.00%	0.21%	0.00%	0.00%	0.09%	
	Lighting	0.03	0.00	0.01	0.05	0.02	0.20%	0.00%	0.15%	0.35%	0.14%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.02	0.02	0.01	0.01	0.00%	0.16%	0.31%	0.07%	0.11%	
WEEE	Sub-total	0.06	0.05	0.04	0.13	0.07	0.37%	0.38%	0.49%	0.96%	0.52%	
Hazardous	Household batteries	0.01	0.00	0.00	0.00	0.00	0.05%	0.03%	0.04%	0.02%	0.03%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.01	0.00	0.01	0.00	0.00%	0.05%	0.05%	0.04%	0.03%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.01	0.03	0.23	0.06	0.00%	0.06%	0.39%	1.74%	0.45%	
Hazardous	Sub-total	0.01	0.02	0.04	0.23	0.07	0.05%	0.14%	0.48%	1.80%	0.52%	
Organic Catering	Home Compostable food	0.79	0.70	0.67	1.78	0.96	5.13%	5.57%	8.85%	13.67%	7.52%	
	Unused home compostable food	0.40	0.37	0.20	0.08	0.29	2.57%	2.96%	2.61%	0.62%	2.30%	
	Non-home compostable food	1.02	1.13	0.45	1.60	1.14	6.63%	8.97%	5.91%	12.30%	8.93%	
	Unused non-home compostable food	0.33	0.17	0.26	0.17	0.21	2.13%	1.33%	3.41%	1.33%	1.67%	
Organic Catering	Sub-total	2.54	2.38	1.57	3.64	2.62	16.47%	18.83%	20.77%	27.92%	20.42%	
Organic Non-catering	Garden	1.87	1.24	0.12	1.25	1.27	12.15%	9.80%	1.61%	9.63%	9.88%	
	Soil	0.77	0.38	0.00	0.99	0.56	4.97%	2.99%	0.00%	7.59%	4.39%	
	Other organic	0.07	0.80	0.18	0.24	0.45	0.47%	6.34%	2.33%	1.86%	3.50%	
Organic Non-catering	Sub-total	2.71	2.42	0.30	2.48	2.28	17.58%	19.13%	3.94%	19.08%	17.77%	
Fines	Material less than 10mm	0.45	0.27	0.25	0.36	0.33	2.94%	2.13%	3.33%	2.73%	2.56%	
	Sub-total	0.45	0.27	0.25	0.36	0.33	2.94%	2.13%	3.33%	2.73%	2.56%	
TOTAL		15.42	12.63	7.58	13.02	12.81	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Combined Kerbside Waste Streams, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	2.01	1.74	0.52	0.41	1.37	9.21%	8.71%	7.08%	2.56%	7.55%	
	Magazines	0.48	1.02	0.28	0.55	0.72	2.21%	5.11%	3.89%	3.46%	3.96%	
	Other recyclable paper	0.34	0.36	0.13	0.42	0.35	1.57%	1.79%	1.81%	2.64%	1.90%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.69	0.92	0.24	1.00	0.82	3.18%	4.59%	3.31%	6.29%	4.50%	
Paper	Sub-total	3.53	4.04	1.18	2.39	3.25	16.18%	20.20%	16.09%	14.95%	17.91%	
Card	Liquid cartons	0.02	0.02	0.01	0.03	0.02	0.08%	0.11%	0.16%	0.21%	0.12%	
	Board packaging	0.29	0.41	0.11	0.29	0.32	1.33%	2.03%	1.46%	1.83%	1.78%	
	Card packaging	0.57	0.39	0.28	0.62	0.47	2.60%	1.95%	3.85%	3.91%	2.59%	
	Other card	0.04	0.06	0.10	0.04	0.05	0.18%	0.28%	1.39%	0.26%	0.30%	
Card	Sub-total	0.91	0.87	0.50	0.99	0.87	4.19%	4.37%	6.85%	6.21%	4.79%	
Dense Plastic	Plastic Bottles:	PET	0.17	0.10	0.17	0.36	0.18	0.76%	0.52%	2.31%	2.23%	1.00%
		PET Coloured	0.02	0.01	0.02	0.04	0.02	0.10%	0.07%	0.21%	0.26%	0.12%
		HDPE	0.14	0.04	0.12	0.12	0.09	0.66%	0.21%	1.60%	0.77%	0.50%
		HDPE Coloured	0.07	0.02	0.03	0.08	0.05	0.31%	0.12%	0.38%	0.49%	0.26%
		Other	0.02	0.01	0.02	0.01	0.01	0.10%	0.03%	0.24%	0.05%	0.06%
	Other packaging	0.39	0.30	0.20	0.47	0.35	1.78%	1.51%	2.73%	2.94%	1.92%	
Dense Plastic	Sub-total	0.94	0.61	0.65	1.20	0.82	4.31%	3.07%	8.84%	7.49%	4.52%	
Plastic Film	Packaging film	0.30	0.20	0.20	0.27	0.24	1.36%	0.99%	2.74%	1.66%	1.30%	
	Other plastic film	0.19	0.24	0.29	0.52	0.30	0.88%	1.19%	3.92%	3.24%	1.63%	
Plastic Film	Sub-total	0.49	0.44	0.49	0.78	0.53	2.24%	2.18%	6.65%	4.91%	2.93%	
Textiles	Textiles	0.18	0.07	0.08	0.42	0.17	0.83%	0.33%	1.05%	2.66%	0.96%	
	Shoes	0.04	0.01	0.11	0.02	0.03	0.17%	0.07%	1.45%	0.14%	0.17%	
Textiles	Sub-total	0.22	0.08	0.18	0.45	0.20	1.00%	0.40%	2.50%	2.80%	1.13%	
Miscellaneous Combustibles	Treated wood	0.23	0.01	0.09	0.01	0.07	1.07%	0.03%	1.29%	0.09%	0.37%	
	Untreated wood	0.00	0.01	0.00	0.00	0.01	0.01%	0.05%	0.04%	0.03%	0.04%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.61	0.50	0.66	0.19	0.47	2.78%	2.50%	8.99%	1.21%	2.59%	
	Other misc. comb.	0.08	0.14	0.06	0.07	0.10	0.39%	0.70%	0.78%	0.45%	0.57%	
	Carpet and underlay	0.00	0.01	0.12	0.00	0.02	0.00%	0.03%	1.70%	0.00%	0.09%	
Miscellaneous Combustibles	Sub-total	0.93	0.66	0.94	0.28	0.66	4.24%	3.32%	12.80%	1.78%	3.65%	
Glass	Glass bottles	0.75	1.75	0.36	0.95	1.20	3.42%	8.75%	4.98%	5.96%	6.62%	
	Glass jars	0.41	0.60	0.09	0.23	0.42	1.86%	2.99%	1.28%	1.46%	2.31%	
	Other glass	0.02	0.01	0.02	0.00	0.01	0.08%	0.03%	0.25%	0.02%	0.05%	
Glass	Sub-total	1.17	2.35	0.48	1.19	1.63	5.36%	11.77%	6.50%	7.44%	8.98%	
Miscellaneous Non-combustibles	Construction and demolition	0.03	0.75	0.00	0.06	0.36	0.13%	3.75%	0.04%	0.36%	1.96%	
	Other misc.non.comb	0.10	0.08	0.20	0.04	0.05	0.46%	0.39%	2.67%	0.22%	0.47%	
Miscellaneous Non-combustibles	Sub-total	0.13	0.83	0.20	0.09	0.44	0.59%	4.14%	2.71%	0.58%	2.43%	
Ferrous Metal	Ferrous food cans	0.23	0.35	0.19	0.23	0.28	1.07%	1.75%	2.56%	1.45%	1.55%	
	Ferrous beverage cans	0.06	0.04	0.04	0.14	0.06	0.25%	0.18%	0.49%	0.87%	0.35%	
	Ferrous aerosols	0.00	0.03	0.01	0.02	0.02	0.01%	0.14%	0.10%	0.14%	0.10%	
	Other ferrous metal	0.21	0.16	0.00	0.00	0.12	0.95%	0.80%	0.07%	0.02%	0.65%	
Ferrous Metal	Sub-total	0.50	0.57	0.24	0.40	0.48	2.29%	2.86%	3.22%	2.49%	2.65%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.01	0.00	0.00	0.01	0.03%	0.05%	0.02%	0.01%	0.04%	
	Non-ferrous beverage cans	0.12	0.14	0.04	0.05	0.10	0.56%	0.69%	0.61%	0.29%	0.57%	
	Non-ferrous aerosols	0.00	0.01	0.00	0.02	0.01	0.02%	0.07%	0.05%	0.11%	0.06%	
	Other non-ferrous metal	0.04	0.06	0.06	0.06	0.06	0.17%	0.30%	0.81%	0.39%	0.30%	
Non-ferrous Metal	Sub-total	0.17	0.22	0.11	0.13	0.18	0.77%	1.11%	1.48%	0.79%	0.97%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.01	0.07	0.03	0.07	0.05	0.05%	0.37%	0.37%	0.41%	0.29%	
	Elec. & Electronic Tools	0.00	0.01	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.00%	0.02%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.00%	0.01%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.01	0.04	0.00	0.01	0.02	0.05%	0.18%	0.02%	0.07%	0.12%	
WEEE	Sub-total	0.02	0.12	0.03	0.08	0.08	0.09%	0.61%	0.39%	0.48%	0.44%	
Hazardous	Household batteries	0.01	0.01	0.01	0.01	0.01	0.06%	0.04%	0.15%	0.07%	0.06%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.02	0.01	0.00	0.01	0.07%	0.11%	0.09%	0.00%	0.08%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.01	0.02	0.07	0.02	0.02%	0.04%	0.28%	0.46%	0.13%	
Hazardous	Sub-total	0.03	0.04	0.04	0.08	0.05	0.15%	0.18%	0.52%	0.53%	0.26%	
Organic Catering	Home Compostable food	1.01	1.11	0.63	0.88	0.99	4.62%	5.55%	8.61%	5.50%	5.43%	
	Unused home compostable food	0.43	0.33	0.20	0.22	0.31	1.98%	1.63%	2.79%	1.39%	1.72%	
	Non-home compostable food	0.43	0.87	0.59	0.35	0.63	1.99%	4.35%	8.09%	2.22%	3.46%	
	Unused non-home compostable food	0.21	0.65	0.29	0.37	0.45	0.97%	3.27%	3.91%	2.32%	2.50%	
Organic Catering	Sub-total	2.09	2.96	1.71	1.82	2.38	9.56%	14.81%	23.40%	11.43%	13.10%	
Organic Non-catering	Garden	9.36	3.97	0.22	3.98	4.77	42.91%	19.84%	3.01%	24.92%	26.27%	
	Soil	1.05	1.63	0.00	1.92	1.40	4.79%	8.15%	0.00%	12.04%	7.70%	
	Other organic	0.23	0.38	0.21	0.09	0.26	1.04%	1.88%	2.89%	0.55%	1.43%	
Organic Non-catering	Sub-total	10.63	5.98	0.43	5.99	6.43	48.74%	29.88%	5.91%	37.51%	35.40%	
Fines	Material less than 10mm	0.06	0.22	0.16	0.10	0.15	0.29%	1.11%	2.12%	0.61%	0.83%	
Fines	Sub-total	0.06	0.22	0.16	0.10	0.15	0.29%	1.11%	2.12%	0.61%	0.83%	
TOTAL		21.82	20.01	7.32	15.96	18.17	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton Combined Kerbside Waste Streams, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	SEF	1	3	4	5	SEF	
Paper	Newspapers	1.36	1.48	0.51	0.46	1.12	7.28%	9.06%	6.81%	3.15%	7.22%	
	Magazines	0.65	0.76	0.28	0.39	0.60	3.49%	4.63%	3.77%	2.67%	3.87%	
	Other recyclable paper	0.37	0.47	0.17	0.46	0.41	1.99%	2.85%	2.35%	3.15%	2.66%	
	Paper packaging	0.00	0.02	0.01	0.37	0.10	0.00%	0.15%	0.11%	2.57%	0.62%	
	Non-recyclable paper	0.51	0.61	0.22	0.71	0.57	2.72%	3.74%	2.95%	4.92%	3.68%	
Paper	Sub-total	2.88	3.33	1.19	2.38	2.80	15.47%	20.42%	16.00%	16.45%	18.04%	
Card	Liquid cartons	0.02	0.02	0.01	0.02	0.02	0.12%	0.11%	0.15%	0.17%	0.13%	
	Board packaging	0.19	0.27	0.08	0.16	0.21	1.04%	1.68%	1.06%	1.14%	1.36%	
	Card packaging	0.55	0.33	0.24	0.48	0.40	2.94%	2.05%	3.25%	3.30%	2.61%	
	Other card	0.02	0.03	0.07	0.07	0.04	0.11%	0.21%	0.88%	0.47%	0.27%	
Card	Sub-total	0.78	0.66	0.40	0.73	0.68	4.21%	4.05%	5.34%	5.06%	4.37%	
Dense Plastic	Plastic Bottles:	PET	0.13	0.09	0.12	0.26	0.14	0.71%	0.52%	1.63%	1.82%	0.90%
		PET Coloured	0.01	0.01	0.01	0.03	0.02	0.06%	0.06%	0.16%	0.23%	0.10%
		HDPE	0.11	0.04	0.06	0.12	0.08	0.61%	0.27%	0.83%	0.82%	0.50%
		HDPE Coloured	0.07	0.03	0.03	0.05	0.04	0.35%	0.19%	0.46%	0.36%	0.28%
		Other	0.03	0.00	0.01	0.02	0.01	0.16%	0.02%	0.14%	0.14%	0.09%
	Other packaging	0.35	0.28	0.18	0.36	0.30	1.90%	1.72%	2.39%	2.51%	1.97%	
Dense Plastic	Sub-total	0.89	0.56	0.53	0.94	0.72	4.79%	3.44%	7.17%	6.51%	4.63%	
Plastic Film	Packaging film	0.32	0.25	0.18	0.25	0.28	1.74%	1.53%	2.37%	1.75%	1.67%	
	Other plastic film	0.22	0.22	0.25	0.36	0.25	1.16%	1.33%	3.35%	2.51%	1.64%	
Plastic Film	Sub-total	0.54	0.47	0.43	0.62	0.51	2.90%	2.86%	5.71%	4.26%	3.31%	
Textiles	Textiles	0.29	0.25	0.23	0.44	0.30	1.53%	1.53%	3.11%	3.04%	1.93%	
	Shoes	0.02	0.09	0.06	0.04	0.06	0.10%	0.56%	0.85%	0.28%	0.39%	
Textiles	Sub-total	0.30	0.34	0.30	0.48	0.36	1.63%	2.10%	3.96%	3.32%	2.33%	
Miscellaneous Combustibles	Treated wood	0.14	0.03	0.07	0.01	0.05	0.77%	0.17%	0.94%	0.06%	0.34%	
	Untreated wood	0.00	0.02	0.00	0.00	0.01	0.03%	0.10%	0.02%	0.01%	0.06%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.60	0.48	0.68	0.18	0.46	3.24%	2.92%	9.07%	1.21%	2.95%	
	Other misc. comb.	0.30	0.22	0.03	0.09	0.19	1.63%	1.32%	0.45%	0.65%	1.22%	
	Carpet and underlay	0.00	0.04	0.09	0.01	0.03	0.00%	0.26%	1.20%	0.05%	0.19%	
Miscellaneous Combustibles	Sub-total	1.06	0.78	0.87	0.29	0.74	5.67%	4.77%	11.68%	1.99%	4.76%	
Glass	Glass bottles	0.91	1.26	0.57	0.75	1.00	4.87%	7.75%	7.64%	5.21%	6.44%	
	Glass jars	0.34	0.53	0.17	0.21	0.38	1.82%	3.26%	2.22%	1.43%	2.43%	
	Other glass	0.03	0.03	0.01	0.00	0.02	0.16%	0.16%	0.20%	0.01%	0.13%	
Glass	Sub-total	1.27	1.82	0.75	0.96	1.39	6.64%	11.17%	10.06%	6.65%	9.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.89	0.43	0.16	0.03	0.41	4.78%	2.62%	2.08%	0.20%	2.65%	
	Other misc.non.comb	0.09	0.04	0.12	0.10	0.07	0.50%	0.27%	1.61%	0.67%	0.48%	
Miscellaneous Non-combustibles	Sub-total	0.98	0.47	0.27	0.13	0.49	5.28%	2.89%	3.69%	0.87%	3.14%	
Ferrous Metal	Ferrous food cans	0.22	0.30	0.21	0.25	0.26	1.17%	1.82%	2.82%	1.72%	1.68%	
	Ferrous beverage cans	0.03	0.03	0.05	0.09	0.04	0.18%	0.17%	0.71%	0.59%	0.29%	
	Ferrous aerosols	0.01	0.02	0.01	0.01	0.02	0.06%	0.15%	0.14%	0.10%	0.12%	
	Other ferrous metal	0.19	0.14	0.05	0.02	0.11	1.00%	0.86%	0.67%	0.16%	0.74%	
Ferrous Metal	Sub-total	0.45	0.49	0.32	0.37	0.44	2.41%	3.00%	4.33%	2.57%	2.82%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.01	0.01	0.01	0.01	0.05%	0.06%	0.09%	0.05%	0.06%	
	Non-ferrous beverage cans	0.10	0.09	0.05	0.06	0.08	0.53%	0.54%	0.72%	0.41%	0.52%	
	Non-ferrous aerosols	0.01	0.01	0.00	0.02	0.01	0.03%	0.07%	0.05%	0.12%	0.07%	
	Other non-ferrous metal	0.04	0.06	0.04	0.05	0.05	0.22%	0.36%	0.54%	0.33%	0.32%	
Non-ferrous Metal	Sub-total	0.15	0.17	0.10	0.13	0.15	0.83%	1.03%	1.40%	0.91%	0.97%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.04	0.01	0.00%	0.00%	0.00%	0.24%	0.05%	
	IT & Telecoms Equip.	0.01	0.00	0.00	0.00	0.00	0.07%	0.00%	0.02%	0.00%	0.02%	
	Consumer Equip.	0.01	0.04	0.01	0.03	0.03	0.03%	0.23%	0.18%	0.23%	0.17%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.00%	0.01%	
	Toys, Leisure & Sports Equip.	0.00	0.02	0.00	0.00	0.01	0.00%	0.10%	0.00%	0.00%	0.05%	
	Lighting	0.02	0.00	0.01	0.02	0.01	0.08%	0.00%	0.07%	0.16%	0.06%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.01	0.03	0.01	0.01	0.02	0.03%	0.18%	0.17%	0.07%	0.11%	
WEEE	Sub-total	0.04	0.08	0.03	0.10	0.07	0.21%	0.52%	0.44%	0.70%	0.47%	
Hazardous	Household batteries	0.01	0.01	0.01	0.01	0.01	0.06%	0.03%	0.09%	0.05%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.00	0.01	0.04%	0.09%	0.07%	0.02%	0.06%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.01	0.03	0.15	0.04	0.01%	0.05%	0.34%	1.04%	0.26%	
Hazardous	Sub-total	0.02	0.03	0.04	0.16	0.06	0.11%	0.17%	0.50%	1.10%	0.37%	
Organic Catering	Home Compostable food	0.90	0.91	0.65	1.33	0.97	4.83%	5.56%	8.73%	9.17%	6.29%	
	Unused home compostable food	0.41	0.35	0.20	0.15	0.30	2.23%	2.14%	2.70%	1.04%	1.96%	
	Non-home compostable food	0.73	1.00	0.52	0.98	0.89	3.91%	6.14%	6.98%	6.74%	5.72%	
	Unused non-home compostable food	0.27	0.41	0.27	0.27	0.33	1.45%	2.52%	3.65%	1.88%	2.16%	
Organic Catering	Sub-total	2.31	2.67	1.64	2.73	2.50	12.42%	16.36%	22.06%	18.84%	16.13%	
Organic Non-catering	Garden	5.62	2.60	0.17	2.62	3.02	30.17%	15.96%	2.30%	18.05%	19.49%	
	Soil	0.91	1.00	0.00	1.45	0.98	4.87%	6.16%	0.00%	10.04%	6.33%	
	Other organic	0.15	0.59	0.19	0.16	0.35	0.80%	3.61%	2.61%	1.14%	2.29%	
Organic Non-catering	Sub-total	6.67	4.20	0.37	4.23	4.35	35.84%	25.72%	4.91%	29.23%	28.11%	
Fines	Material less than 10mm	0.26	0.25	0.20	0.23	0.24	1.39%	1.50%	2.74%	1.57%	1.55%	
	Sub-total	0.26	0.25	0.20	0.23	0.24	1.39%	1.50%	2.74%	1.57%	1.55%	
TOTAL		18.62	16.32	7.45	14.49	15.49	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix C

Sefton BMW, Study Averages											
Material sub-category	BMW Content	Arisings, kg/hh/wk					Assay, %				
		RW	GW	DR	FW	Combined	RW	GW	DR	FW	Combined
Newspapers	100%	0.18	0.01	0.93	0.00	1.12	2.2%	0.2%	30.9%	0.6%	7.2%
Magazines	100%	0.16	0.00	0.44	0.00	0.60	1.9%	0.0%	14.7%	0.0%	3.9%
Other recyclable paper	100%	0.29	0.00	0.12	0.00	0.41	3.6%	0.0%	4.0%	0.0%	2.7%
Paper packaging	100%	0.09	0.00	0.00	0.00	0.10	1.2%	0.0%	0.0%	0.0%	0.6%
Non-recyclable paper	100%	0.54	0.00	0.03	0.00	0.57	6.6%	0.1%	1.0%	0.1%	3.7%
Liquid cartons	100%	0.02	0.00	0.00	0.00	0.02	0.2%	0.0%	0.0%	0.0%	0.1%
Board packaging	100%	0.21	0.00	0.00	0.00	0.21	2.6%	0.0%	0.1%	0.0%	1.4%
Card packaging	100%	0.40	0.00	0.01	0.00	0.40	4.9%	0.0%	0.2%	0.0%	2.6%
Other card	100%	0.04	0.00	0.00	0.00	0.04	0.5%	0.0%	0.1%	0.0%	0.3%
Plastic Bottles: PET	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
PET Coloured	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
HDPE	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
HDPE Coloured	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other packaging	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other dense plastic	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Packaging film	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other packaging film	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Textiles	50%	0.15	0.00	0.00	0.00	0.15	1.8%	0.0%	0.0%	0.0%	1.0%
Shoes	50%	0.03	0.00	0.00	0.00	0.03	0.4%	0.0%	0.0%	0.0%	0.2%
Treated wood	50%	0.02	0.00	0.00	0.00	0.03	0.3%	0.1%	0.0%	0.0%	0.2%
Untreated wood	50%	0.00	0.00	0.00	0.00	0.00	0.1%	0.0%	0.0%	0.0%	0.0%
Furniture	50%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Nappies/ Sanitary	50%	0.23	0.00	0.00	0.00	0.23	2.8%	0.0%	0.1%	0.0%	1.5%
Other misc. comb.	50%	0.09	0.00	0.00	0.00	0.09	1.2%	0.0%	0.0%	0.0%	0.6%
Carpet and underlay	50%	0.01	0.00	0.00	0.00	0.01	0.2%	0.0%	0.0%	0.0%	0.1%
Glass bottles	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Glass jars	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other glass	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Construction and demolition	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other misc.non.comb	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous food cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other ferrous metal	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous food cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other non-ferrous metal	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Fridges, Freezers	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Large hh Appliances	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Small hh Appliances	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
IT & Telecoms Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Consumer Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Elec. & Electronic Tools	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Toys, Leisure & Sports Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Lighting	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Monitoring & Ctl. Inst.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other WEEE	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Household batteries	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Car batteries	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Identifiable clinical waste	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Engine oil	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other prtl. haz.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Home compostable food	100%	0.68	0.01	0.01	0.28	0.97	8.4%	0.2%	0.2%	52.0%	6.3%
Unused home compostable food	100%	0.24	0.00	0.00	0.06	0.30	2.9%	0.0%	0.0%	12.1%	2.0%
Non-home compostable food	100%	0.72	0.00	0.01	0.16	0.89	8.9%	0.0%	0.3%	29.6%	5.7%
Unused non-home compostable food	100%	0.30	0.00	0.00	0.03	0.33	3.8%	0.0%	0.0%	5.5%	2.2%
Garden	100%	0.12	2.90	0.00	0.00	3.02	1.5%	75.2%	0.0%	0.0%	19.5%
Soil	100%	0.06	0.92	0.00	0.00	0.98	0.7%	23.9%	0.0%	0.0%	6.3%
Other organic	100%	0.35	0.00	0.00	0.00	0.35	4.4%	0.0%	0.0%	0.0%	2.3%
Material less than 10mm	50%	0.12	0.00	0.00	0.00	0.12	1.4%	0.0%	0.1%	0.0%	0.8%
Totals		5.06	3.84	1.56	0.53	10.99	62.5%	99.8%	51.8%	99.9%	71.0%



Appendix C

Appendix D St Helens Tables



Appendix D

Entec

Creating the environment for business



Appendix D

St Helens Residual Waste, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.45	0.34	0.13	0.23	0.28	2.94%	0.88%	1.90%	2.19%		
	Magazines	0.65	0.11	0.34	0.00	0.20	4.26%	0.97%	2.36%	0.00%	1.59%	
	Other recyclable paper	0.64	0.64	0.23	0.23	0.43	4.23%	5.60%	1.61%	1.90%	3.39%	
	Paper packaging	0.01	0.02	0.00	0.04	0.02	0.04%	0.17%	0.02%	0.31%	0.16%	
	Non-recyclable paper	0.48	0.45	0.18	0.25	0.34	3.12%	3.95%	1.28%	2.13%	2.68%	
Paper	Sub-total	2.22	1.57	0.87	0.74	1.27	14.58%	13.67%	6.16%	6.24%	10.00%	
Card	Liquid cartons	0.00	0.05	0.02	0.02	0.03	0.01%	0.43%	0.16%	0.18%	0.22%	
	Board packaging	0.11	0.08	0.16	0.15	0.12	0.73%	0.72%	1.11%	1.22%	0.96%	
	Card packaging	0.61	0.49	0.58	0.28	0.46	4.03%	4.30%	4.10%	2.34%	3.63%	
	Other card	0.00	0.04	0.12	0.00	0.04	0.00%	0.35%	0.84%	0.02%	0.30%	
Card	Sub-total	0.72	0.67	0.88	0.45	0.65	4.76%	5.80%	6.22%	3.76%	5.10%	
Dense Plastic	Plastic Bottles:	PET	0.23	0.08	0.24	0.13	0.15	1.51%	0.70%	1.69%	1.13%	1.19%
		PET Coloured	0.03	0.02	0.02	0.05	0.03	0.20%	0.17%	0.11%	0.44%	0.24%
		HDPE	0.13	0.05	0.01	0.03	0.05	0.85%	0.44%	0.08%	0.23%	0.37%
		HDPE Coloured	0.10	0.07	0.15	0.02	0.08	0.65%	0.61%	1.06%	0.21%	0.60%
		Other	0.02	0.02	0.01	0.01	0.02	0.14%	0.21%	0.07%	0.10%	0.13%
	Other packaging	0.51	0.38	0.25	0.18	0.31	3.36%	3.28%	1.79%	1.54%	2.46%	
Dense Plastic	Sub-total	1.26	0.95	1.07	0.63	0.92	8.29%	8.22%	7.55%	5.32%	7.23%	
Plastic Film	Packaging film	0.39	0.47	0.29	0.28	0.36	2.57%	4.10%	2.06%	2.34%	2.86%	
	Other plastic film	0.33	0.26	0.43	0.21	0.29	2.19%	2.27%	3.01%	1.77%	2.27%	
Plastic Film	Sub-total	0.72	0.73	0.72	0.49	0.65	4.76%	6.38%	5.06%	4.11%	5.12%	
Textiles	Textiles	0.32	0.57	1.02	1.23	0.83	2.11%	4.98%	7.19%	10.36%	6.53%	
	Shoes	0.19	0.03	0.08	0.06	0.07	1.23%	0.23%	0.54%	0.53%	0.57%	
Textiles	Sub-total	0.51	0.60	1.10	1.30	0.90	3.34%	5.20%	7.74%	10.89%	7.10%	
Miscellaneous Combustibles	Treated wood	0.04	0.21	0.00	1.24	0.47	0.27%	1.82%	0.00%	10.41%	3.68%	
	Untreated wood	0.00	0.05	0.00	0.12	0.05	0.00%	0.45%	0.00%	1.00%	0.43%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	1.62	0.14	2.14	0.91	1.00	10.65%	1.20%	15.08%	7.62%	7.84%	
	Other misc. comb.	0.01	0.12	0.01	0.24	0.12	0.04%	1.00%	0.07%	2.04%	0.93%	
	Carpet and underlay	0.00	0.00	0.00	0.59	0.19	0.00%	0.00%	0.00%	4.93%	1.46%	
Miscellaneous Combustibles	Sub-total	1.67	0.51	2.15	3.10	1.83	10.96%	4.46%	15.15%	26.01%	14.35%	
Glass	Glass bottles	0.23	0.76	1.16	0.19	0.57	1.53%	6.58%	8.16%	1.56%	4.52%	
	Glass jars	0.42	0.26	0.15	0.30	0.27	2.74%	2.26%	1.04%	2.50%	2.15%	
	Other glass	0.00	0.00	0.02	0.04	0.02	0.00%	0.00%	0.14%	0.31%	0.12%	
Glass	Sub-total	0.65	1.02	1.33	0.52	0.86	4.27%	8.84%	9.34%	4.38%	6.79%	
Miscellaneous Non-combustibles	Construction and demolition	0.25	0.00	0.94	0.30	0.32	1.66%	0.00%	6.63%	2.55%	2.50%	
	Other misc.non.comb	0.05	0.00	0.03	0.00	0.01	0.32%	0.00%	0.23%	0.00%	0.11%	
Miscellaneous Non-combustibles	Sub-total	0.30	0.00	0.97	0.30	0.33	1.99%	0.00%	6.86%	2.55%	2.61%	
Ferrous Metal	Ferrous food cans	0.13	0.25	0.30	0.18	0.22	0.88%	2.15%	2.13%	1.52%	1.72%	
	Ferrous beverage cans	0.06	0.03	0.05	0.04	0.04	0.41%	0.23%	0.33%	0.33%	0.31%	
	Ferrous aerosols	0.03	0.01	0.03	0.07	0.04	0.20%	0.10%	0.24%	0.56%	0.29%	
	Other ferrous metal	0.11	0.33	0.30	0.01	0.19	0.75%	2.89%	2.13%	0.12%	1.52%	
Ferrous Metal	Sub-total	0.34	0.62	0.69	0.30	0.49	2.23%	5.37%	4.83%	2.54%	3.84%	
Non-ferrous Metal	Non-ferrous food cans	0.06	0.01	0.05	0.01	0.02	0.36%	0.06%	0.38%	0.06%	0.18%	
	Non-ferrous beverage cans	0.08	0.01	0.15	0.11	0.08	0.55%	0.07%	1.04%	0.90%	0.61%	
	Non-ferrous aerosols	0.01	0.01	0.00	0.00	0.01	0.03%	0.13%	0.02%	0.03%	0.06%	
	Other non-ferrous metal	0.07	0.14	0.03	0.03	0.07	0.43%	1.19%	0.19%	0.24%	0.55%	
Non-ferrous Metal	Sub-total	0.21	0.17	0.23	0.15	0.18	1.38%	1.44%	1.63%	1.23%	1.41%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.15	0.05	0.00%	0.00%	0.00%	1.29%	0.38%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.15	0.05	0.00%	0.00%	0.00%	1.23%	0.36%	
	Toys, Leisure & Sports Equip.	0.00	0.01	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.00%	0.02%	
	Lighting	0.00	0.05	0.00	0.00	0.02	0.00%	0.42%	0.00%	0.00%	0.13%	
	Monitoring & Ctl. Inst.	0.01	0.00	0.00	0.00	0.03	0.03%	0.00%	0.00%	0.00%	0.01%	
	Other WEEE	0.07	0.06	0.07	0.04	0.05	0.43%	0.48%	0.48%	0.32%	0.43%	
WEEE	Sub-total	0.07	0.11	0.07	0.34	0.17	0.47%	0.96%	0.48%	2.84%	1.32%	
Hazardous	Household batteries	0.01	0.02	0.00	0.01	0.01	0.06%	0.16%	0.00%	0.05%	0.08%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.04%	0.10%	0.00%	0.00%	0.04%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.01	0.02	0.10	0.02	0.03	0.07%	0.14%	0.72%	0.18%	0.27%	
Hazardous	Sub-total	0.03	0.05	0.10	0.03	0.05	0.17%	0.40%	0.72%	0.23%	0.38%	
Organic Catering	Home Compostable food	1.72	1.49	1.81	0.75	1.35	11.29%	12.92%	12.73%	6.31%	10.63%	
	Unused home compostable food	0.60	0.63	0.17	0.16	0.39	3.96%	5.49%	1.18%	1.38%	3.06%	
	Non-home compostable food	2.14	1.23	1.01	1.02	1.26	14.08%	10.67%	7.09%	8.56%	9.89%	
	Unused non-home compostable food	0.49	0.54	0.45	0.21	0.41	3.22%	4.72%	3.14%	1.72%	3.22%	
Organic Catering	Sub-total	4.95	3.89	3.43	2.14	3.41	32.55%	33.80%	24.13%	17.97%	26.79%	
Organic Non-catering	Garden	0.19	0.01	0.01	0.08	0.06	1.23%	0.07%	0.05%	0.71%	0.47%	
	Soil	0.00	0.00	0.00	0.58	0.18	0.00%	0.00%	0.00%	4.86%	1.44%	
	Other organic	0.86	0.30	0.05	0.30	0.34	5.69%	2.63%	0.37%	2.50%	2.66%	
Organic Non-catering	Sub-total	1.05	0.31	0.06	0.96	0.58	6.92%	2.71%	0.42%	8.06%	4.56%	
Fines	Material less than 10mm	0.51	0.32	0.53	0.46	0.43	3.33%	2.75%	3.71%	3.87%	3.40%	
	Fines	Sub-total	0.51	0.32	0.53	0.46	0.43	3.33%	2.75%	3.71%	3.87%	3.40%
TOTAL		15.21	11.51	14.20	11.91	12.73	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Residual Waste, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.21	0.89	0.65	0.17	0.51	1.54%	5.66%	5.75%	1.45%	3.87%	
	Magazines	0.32	0.94	0.20	0.18	0.46	2.39%	5.99%	1.78%	1.57%	3.50%	
	Other recyclable paper	0.27	0.35	0.35	0.23	0.30	2.02%	2.21%	3.11%	2.04%	2.29%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.30	0.78	0.27	0.38	0.48	2.22%	4.97%	2.36%	3.32%	3.65%	
Paper	Sub-total	1.11	2.95	1.47	0.96	1.75	8.17%	18.83%	12.99%	8.38%	13.30%	
Card	Liquid cartons	0.04	0.05	0.04	0.02	0.04	0.33%	0.31%	0.35%	0.21%	0.29%	
	Board packaging	0.30	0.34	0.35	0.35	0.34	2.21%	2.16%	3.08%	3.09%	2.58%	
	Card packaging	0.37	0.70	0.53	0.61	0.59	2.69%	4.47%	4.68%	5.30%	4.45%	
	Other card	0.02	0.05	0.13	0.00	0.05	0.11%	0.35%	1.17%	0.03%	0.36%	
Card	Sub-total	0.72	1.14	1.05	0.99	1.01	5.33%	7.29%	9.27%	8.63%	7.68%	
Dense Plastic	Plastic Bottles:	PET	0.16	0.28	0.09	0.18	0.19	1.20%	1.82%	0.75%	1.57%	1.47%
		PET Coloured	0.04	0.03	0.02	0.02	0.03	0.30%	0.18%	0.18%	0.21%	0.21%
		HDPE	0.07	0.07	0.09	0.18	0.11	0.52%	0.46%	0.77%	1.58%	0.83%
		HDPE Coloured	0.02	0.06	0.02	0.01	0.03	0.18%	0.40%	0.19%	0.09%	0.25%
		Other	0.03	0.03	0.02	0.04	0.03	0.24%	0.21%	0.19%	0.38%	0.26%
	Other packaging	0.45	0.45	0.25	0.38	0.39	3.32%	2.88%	2.16%	3.33%	2.95%	
Other dense plastic	0.24	0.37	0.32	0.15	0.27	1.78%	2.34%	2.78%	1.29%	2.04%		
Dense Plastic	Sub-total	1.03	1.30	0.80	0.96	1.05	7.55%	8.28%	7.02%	8.44%	8.00%	
Plastic Film	Packaging film	0.28	0.40	0.34	0.36	0.36	2.09%	2.56%	2.97%	3.12%	2.71%	
	Other plastic film	0.36	0.38	0.30	0.48	0.39	2.63%	2.40%	2.67%	4.24%	2.99%	
Plastic Film	Sub-total	0.64	0.78	0.64	0.84	0.75	4.72%	4.97%	5.64%	7.36%	5.70%	
Textiles	Textiles	0.43	0.48	0.17	0.31	0.36	3.16%	3.06%	1.49%	2.74%	2.73%	
	Shoes	0.06	0.28	0.22	0.09	0.17	0.45%	1.77%	1.95%	0.79%	1.32%	
Textiles	Sub-total	0.49	0.76	0.39	0.40	0.53	3.61%	4.83%	3.45%	3.53%	4.05%	
Miscellaneous Combustibles	Treated wood	0.18	0.55	0.00	0.00	0.21	1.30%	3.51%	0.00%	0.00%	1.61%	
	Untreated wood	0.03	0.00	0.01	0.00	0.01	0.26%	0.00%	0.13%	0.00%	0.06%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	1.43	0.82	1.62	1.91	1.41	10.54%	5.22%	14.29%	16.68%	10.73%	
	Other misc. comb.	0.07	0.05	0.06	0.13	0.08	0.54%	0.29%	0.57%	1.16%	0.61%	
	Carpet and underlay	0.30	0.00	0.03	0.00	0.05	2.22%	0.00%	0.30%	0.00%	0.40%	
Miscellaneous Combustibles	Sub-total	2.02	1.41	1.73	2.04	1.77	14.85%	9.02%	15.28%	17.83%	13.41%	
Glass	Glass bottles	0.56	0.64	0.26	0.21	0.42	4.15%	4.07%	2.29%	1.88%	3.18%	
	Glass jars	0.29	0.20	0.12	0.11	0.17	2.13%	1.27%	1.07%	0.98%	1.29%	
	Other glass	0.11	0.04	0.00	0.00	0.03	0.82%	0.25%	0.00%	0.00%	0.23%	
Glass	Sub-total	0.96	0.88	0.38	0.33	0.62	7.10%	5.59%	3.36%	2.85%	4.70%	
Miscellaneous Non-combustibles	Construction and demolition	1.03	1.58	0.00	0.01	0.69	7.59%	10.07%	0.00%	0.05%	5.24%	
	Other misc.non.comb	0.02	0.19	0.00	0.06	0.05	0.12%	1.20%	0.00%	0.55%	0.65%	
Miscellaneous Non-combustibles	Sub-total	1.05	1.77	0.00	0.07	0.78	7.71%	11.27%	0.00%	0.60%	5.89%	
Ferrous Metal	Ferrous food cans	0.16	0.17	0.14	0.31	0.21	1.20%	1.07%	1.22%	2.70%	1.56%	
	Ferrous beverage cans	0.06	0.04	0.01	0.05	0.04	0.43%	0.26%	0.07%	0.42%	0.30%	
	Ferrous aerosols	0.02	0.03	0.01	0.02	0.02	0.12%	0.18%	0.07%	0.20%	0.16%	
	Other ferrous metal	0.03	0.08	0.01	0.03	0.04	0.24%	0.52%	0.08%	0.27%	0.33%	
Ferrous Metal	Sub-total	0.27	0.32	0.16	0.41	0.31	2.00%	2.02%	1.43%	3.59%	2.35%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.01	0.01	0.01	0.01%	0.03%	0.09%	0.09%	0.05%	
	Non-ferrous beverage cans	0.03	0.08	0.21	0.14	0.12	0.25%	0.52%	1.84%	1.26%	0.90%	
	Non-ferrous aerosols	0.00	0.01	0.01	0.04	0.02	0.00%	0.08%	0.11%	0.34%	0.14%	
	Other non-ferrous metal	0.05	0.05	0.08	0.12	0.08	0.39%	0.32%	0.69%	1.03%	0.59%	
Non-ferrous Metal	Sub-total	0.09	0.15	0.31	0.31	0.22	0.65%	0.95%	2.72%	2.72%	1.69%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.12	0.00	0.03	0.05	0.00%	0.76%	0.00%	0.23%	0.37%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.01	0.11	0.15	0.03	0.08	0.08%	0.70%	1.33%	0.27%	0.59%	
	Lighting	0.00	0.01	0.00	0.00	0.00	0.04%	0.04%	0.00%	0.02%	0.02%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.01	0.00	0.15	0.35	0.14	0.09%	0.00%	1.33%	3.07%	1.08%	
WEEE	Sub-total	0.03	0.24	0.30	0.41	0.27	0.20%	1.51%	2.65%	3.58%	2.06%	
Hazardous	Household batteries	0.00	0.02	0.00	0.01	0.01	0.03%	0.10%	0.00%	0.08%	0.07%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.05%	0.04%	0.00%	0.02%	0.03%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.02	0.00	0.00	0.00	0.00	0.17%	0.00%	0.00%	0.00%	0.03%	
Hazardous	Sub-total	0.03	0.02	0.00	0.01	0.02	0.25%	0.14%	0.00%	0.10%	0.12%	
Organic Catering	Home Compostable food	0.99	0.86	1.15	0.89	0.94	7.28%	5.50%	10.10%	7.75%	7.17%	
	Unused home compostable food	0.50	0.67	0.39	0.33	0.48	3.65%	4.27%	3.43%	2.92%	3.66%	
	Non-home compostable food	0.93	0.92	0.77	0.79	0.85	6.87%	5.88%	6.79%	6.94%	6.48%	
	Unused non-home compostable food	1.13	0.80	0.87	1.03	0.94	8.33%	5.13%	7.70%	8.99%	7.12%	
Organic Catering	Sub-total	3.55	3.26	3.18	3.04	3.22	26.13%	20.77%	28.03%	26.60%	24.44%	
Organic Non-catering	Garden	0.28	0.51	0.00	0.14	0.26	2.03%	3.24%	0.00%	1.20%	1.95%	
	Soil	0.13	0.00	0.00	0.00	0.02	0.94%	0.00%	0.00%	0.00%	0.15%	
	Other organic	0.53	0.06	0.68	0.39	0.36	3.91%	0.35%	5.95%	3.45%	2.70%	
Organic Non-catering	Sub-total	0.93	0.56	0.68	0.53	0.63	6.88%	3.60%	5.95%	4.65%	4.80%	
Fines	Material less than 10mm	0.66	0.14	0.25	0.13	0.24	4.86%	0.92%	2.19%	1.12%	1.81%	
	Sub-total	0.66	0.14	0.25	0.13	0.24	4.86%	0.92%	2.19%	1.12%	1.81%	
TOTAL		13.59	15.67	11.34	11.43	13.17	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Residual Waste, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.33	0.61	0.39	0.20	0.39	2.28%	4.52%	3.04%	1.68%	3.05%	
	Magazines	0.49	0.53	0.27	0.09	0.33	3.37%	3.87%	2.10%	0.77%	2.56%	
	Other recyclable paper	0.46	0.50	0.29	0.23	0.37	3.19%	3.65%	2.28%	1.97%	2.83%	
	Paper packaging	0.00	0.01	0.00	0.02	0.01	0.02%	0.07%	0.01%	0.16%	0.08%	
	Non-recyclable paper	0.39	0.62	0.22	0.32	0.41	2.70%	4.54%	1.76%	2.71%	3.17%	
Paper	Sub-total	1.66	2.26	1.17	0.85	1.51	11.56%	16.65%	9.19%	7.29%	11.68%	
Card	Liquid cartons	0.02	0.05	0.03	0.02	0.03	0.16%	0.36%	0.24%	0.19%	0.26%	
	Board packaging	0.21	0.21	0.25	0.25	0.23	1.42%	1.55%	1.98%	2.14%	1.78%	
	Card packaging	0.49	0.60	0.56	0.44	0.52	3.40%	4.40%	4.36%	3.79%	4.05%	
	Other card	0.01	0.05	0.13	0.00	0.04	0.05%	0.35%	0.99%	0.02%	0.33%	
Card	Sub-total	0.72	0.90	0.97	0.72	0.83	5.03%	6.66%	6.15%	6.41%		
Dense Plastic	Plastic Bottles:	PET	0.20	0.18	0.16	0.16	0.17	1.36%	1.34%	1.27%	1.35%	1.33%
		PET Coloured	0.04	0.02	0.02	0.04	0.03	0.25%	0.18%	0.14%	0.33%	0.22%
		HDPE	0.10	0.06	0.05	0.10	0.08	0.69%	0.45%	0.39%	0.89%	0.60%
		HDPE Coloured	0.06	0.07	0.09	0.02	0.05	0.43%	0.49%	0.67%	0.15%	0.42%
	Other	0.03	0.03	0.02	0.03	0.03	0.19%	0.21%	0.12%	0.24%	0.20%	
	Other packaging	0.48	0.41	0.25	0.28	0.35	3.35%	3.05%	1.96%	2.42%	2.71%	
Other dense plastic	0.24	0.35	0.35	0.17	0.28	1.67%	2.54%	2.76%	1.48%	2.13%		
Dense Plastic	Sub-total	0.34	0.44	0.31	0.32	0.36	2.34%	3.22%	2.46%	2.72%	2.78%	
Plastic Film	Packaging film	0.37	0.49	0.40	0.23	0.34	3.03%	3.57%	3.10%	2.12%	2.81%	
	Other plastic film	0.35	0.32	0.37	0.35	0.34	2.40%	2.35%	2.86%	2.98%	2.63%	
Plastic Film	Sub-total	0.72	0.81	0.76	0.57	0.68	5.43%	5.91%	5.10%	5.45%		
Textiles	Textiles	0.38	0.53	0.60	0.77	0.60	2.61%	3.87%	4.66%	6.63%	4.60%	
	Shoes	0.12	0.15	0.15	0.08	0.12	0.86%	1.12%	1.17%	0.65%	0.95%	
Textiles	Sub-total	0.50	0.68	0.74	0.85	0.72	3.47%	4.99%	5.83%	7.29%	5.55%	
Miscellaneous Combustibles	Treated wood	0.11	0.38	0.00	0.62	0.34	0.75%	2.79%	0.00%	5.32%	2.63%	
	Untreated wood	0.02	0.03	0.01	0.06	0.03	0.12%	0.19%	0.06%	0.51%	0.24%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	1.53	0.48	1.88	1.41	1.21	10.60%	3.52%	14.73%	12.06%	9.31%	
	Other misc. comb.	0.04	0.08	0.04	0.19	0.10	0.27%	0.59%	0.29%	1.61%	0.77%	
	Carpet and underlay	0.15	0.00	0.02	0.29	0.12	1.05%	0.00%	0.13%	2.52%	0.92%	
Miscellaneous Combustibles	Sub-total	1.84	0.96	1.94	2.57	1.80	12.79%	7.09%	15.21%	22.01%	13.87%	
Glass	Glass bottles	0.40	0.70	0.71	0.20	0.50	2.76%	5.13%	5.55%	1.72%	3.84%	
	Glass jars	0.35	0.23	0.13	0.20	0.22	2.45%	1.69%	1.05%	1.75%	1.72%	
	Other glass	0.06	0.02	0.01	0.02	0.02	0.39%	0.15%	0.08%	0.16%	0.18%	
Glass	Sub-total	0.81	0.95	0.85	0.42	0.74	5.60%	6.97%	6.68%	3.63%	5.73%	
Miscellaneous Non-combustibles	Construction and demolition	0.64	0.79	0.47	0.15	0.50	4.46%	5.81%	3.69%	1.32%	3.89%	
	Other misc.non.comb	0.03	0.09	0.02	0.03	0.05	0.23%	0.69%	0.13%	0.27%	0.38%	
Miscellaneous Non-combustibles	Sub-total	0.67	0.88	0.49	0.19	0.55	4.69%	6.50%	3.81%	1.60%	4.28%	
Ferrous Metal	Ferrous food cans	0.15	0.21	0.22	0.24	0.21	1.03%	1.52%	1.73%	2.09%	1.64%	
	Ferrous beverage cans	0.06	0.03	0.03	0.04	0.04	0.42%	0.25%	0.22%	0.38%	0.31%	
	Ferrous aerosols	0.02	0.02	0.02	0.04	0.03	0.16%	0.15%	0.16%	0.38%	0.22%	
	Other ferrous metal	0.07	0.21	0.16	0.02	0.12	0.51%	1.52%	1.22%	0.20%	0.91%	
Ferrous Metal	Sub-total	0.31	0.47	0.42	0.36	0.40	2.12%	3.44%	3.32%	3.05%	3.08%	
Non-ferrous Metal	Non-ferrous food cans	0.03	0.01	0.03	0.01	0.02	0.20%	0.04%	0.25%	0.07%	0.12%	
	Non-ferrous beverage cans	0.06	0.04	0.18	0.13	0.10	0.41%	0.33%	1.39%	1.08%	0.76%	
	Non-ferrous aerosols	0.00	0.01	0.01	0.02	0.01	0.02%	0.10%	0.06%	0.18%	0.10%	
	Other non-ferrous metal	0.06	0.09	0.05	0.07	0.07	0.41%	0.69%	0.41%	0.63%	0.57%	
Non-ferrous Metal	Sub-total	0.15	0.16	0.27	0.23	0.20	1.04%	1.16%	2.12%	1.96%	1.55%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.08	0.02	0.00%	0.00%	0.00%	0.66%	0.19%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.06	0.00	0.01	0.02	0.00%	0.44%	0.00%	0.11%	0.19%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.07	0.02	0.00%	0.00%	0.00%	0.63%	0.18%	
	Toys, Leisure & Sports Equip.	0.01	0.06	0.08	0.02	0.04	0.04%	0.43%	0.59%	0.13%	0.31%	
	Lighting	0.00	0.03	0.00	0.00	0.01	0.02%	0.20%	0.00%	0.01%	0.08%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.02	0.02%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.04	0.03	0.11	0.19	0.10	0.27%	0.20%	0.85%	1.67%	0.76%	
WEEE	Sub-total	0.05	0.17	0.18	0.37	0.22	0.34%	1.27%	1.44%	3.20%	1.70%	
Hazardous	Household batteries	0.01	0.02	0.00	0.01	0.01	0.05%	0.13%	0.00%	0.07%	0.07%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.04%	0.07%	0.00%	0.01%	0.03%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.02	0.01	0.05	0.01	0.02	0.12%	0.06%	0.40%	0.09%	0.14%	
Hazardous	Sub-total	0.03	0.03	0.05	0.02	0.03	0.21%	0.25%	0.40%	0.17%	0.25%	
Organic Catering	Home Compostable food	1.35	1.17	1.48	0.82	1.15	9.40%	8.64%	11.56%	7.02%	8.87%	
	Unused home compostable food	0.55	0.65	0.28	0.25	0.44	3.81%	4.79%	2.18%	2.14%	3.36%	
	Non-home compostable food	1.54	1.07	0.89	0.91	1.06	10.68%	7.91%	6.96%	7.76%	8.16%	
	Unused non-home compostable food	0.81	0.67	0.66	0.62	0.67	5.63%	4.95%	5.16%	5.28%	5.20%	
Organic Catering	Sub-total	4.25	3.57	3.30	2.59	3.31	29.52%	26.29%	25.86%	22.20%	25.59%	
Organic Non-catering	Garden	0.23	0.26	0.00	0.11	0.16	1.61%	1.90%	0.03%	0.95%	1.22%	
	Soil	0.06	0.00	0.00	0.29	0.10	0.44%	0.00%	0.00%	2.48%	0.78%	
	Other organic	0.70	0.18	0.36	0.35	0.35	4.85%	1.32%	2.85%	2.96%	2.68%	
Organic Non-catering	Sub-total	0.99	0.44	0.37	0.75	0.61	6.90%	3.22%	2.88%	6.39%	4.68%	
Fines	Material less than 10mm	0.58	0.23	0.39	0.29	0.34	4.05%	1.70%	3.04%	2.53%	2.59%	
Fines	Sub-total	0.58	0.23	0.39	0.29	0.34	4.05%	1.70%	3.04%	2.53%	2.59%	
TOTAL		14.40	13.59	12.77	11.67	12.95	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Garden Waste, March 2010									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		1	3	5	STH	1	3	5	STH
Paper	Newspapers	0.00	0.01	0.01	0.00	0.00%	0.48%	0.77%	0.41%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.01	0.00	0.00%	0.00%	1.09%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.01	0.01	0.00	0.16%	0.46%	1.09%	0.41%
Paper	Sub-total	0.00	0.02	0.02	0.01	0.16%	0.94%	2.96%	0.82%
Card	Liquid cartons	0.00	0.01	0.00	0.00	0.00%	0.29%	0.00%	0.25%
	Board packaging	0.00	0.24	0.05	0.08	0.00%	10.75%	6.24%	9.08%
	Card packaging	0.00	0.20	0.07	0.07	0.00%	8.92%	8.47%	7.53%
	Other card	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.45	0.12	0.15	0.00%	19.96%	14.72%	16.85%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.02%	0.02%	0.00%	0.02%
	Other packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.22%	0.00%
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.02%	0.02%	0.22%	0.02%
Plastic Film	Packaging film	0.00	0.02	0.00	0.01	0.00%	1.10%	0.03%	0.93%
	Other plastic film	0.00	0.02	0.00	0.01	0.03%	1.08%	0.06%	0.92%
Plastic Film	Sub-total	0.00	0.05	0.00	0.02	0.03%	2.18%	0.09%	1.85%
Textiles	Textiles	0.00	0.00	0.01	0.00	0.00%	0.00%	1.46%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.01	0.00	0.00%	0.00%	1.46%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.33	0.00	0.11	0.00%	14.91%	0.00%	12.59%
	Untreated wood	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.01	0.00	0.00	0.00%	0.37%	0.00%	0.31%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.34	0.00	0.11	0.00%	15.27%	0.00%	12.90%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other prtl. haz.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.17	0.06	0.06	0.00%	7.82%	7.12%	6.60%
	Unused home compostable food	0.00	0.06	0.01	0.02	0.00%	2.69%	1.35%	2.27%
	Non-home compostable food	0.00	0.02	0.00	0.01	0.00%	1.04%	0.00%	0.88%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.26	0.07	0.09	0.00%	11.55%	8.46%	9.75%
Organic Non-catering	Garden	0.86	1.04	0.32	0.48	95.46%	46.49%	39.00%	54.12%
	Soil	0.04	0.08	0.27	0.03	4.33%	3.58%	33.10%	3.70%
	Other organic	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	0.90	1.12	0.59	0.51	99.79%	50.07%	72.10%	57.81%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
TOTAL		0.91	2.24	0.82	0.89	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Garden Waste, June 2010									
Primary Category	Secondary Category	Arisings, kg/hh/wk				Composition, wt. %			
		1	3	5	STH	1	3	5	STH
Paper	Newspapers	0.00	0.00	0.00	0.00	0.05%	0.05%	0.00%	0.05%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.01	0.00	0.00	0.00	0.15%	0.16%	0.01%	0.16%
Paper	Sub-total	0.01	0.00	0.00	0.00	0.21%	0.21%	0.01%	0.21%
Card	Liquid cartons	0.01	0.01	0.00	0.00	0.13%	0.43%	0.03%	0.28%
	Board packaging	0.60	0.13	0.01	0.13	12.92%	5.56%	0.51%	9.11%
	Card packaging	0.26	0.06	0.01	0.06	5.58%	2.80%	0.48%	4.14%
	Other card	0.01	0.00	0.00	0.00	0.27%	0.00%	0.00%	0.13%
Card	Sub-total	0.88	0.20	0.02	0.20	18.91%	8.79%	1.01%	13.67%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.02%	0.04%	0.00%	0.03%
Dense Plastic	Sub-total	0.00	0.01	0.00	0.00	0.02%	0.48%	0.00%	0.26%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.03%	0.05%	0.01%	0.04%
	Other plastic film	0.00	0.00	0.00	0.00	0.06%	0.00%	0.01%	0.03%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.10%	0.05%	0.01%	0.07%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.01	0.00	0.00	0.00%	0.39%	0.00%	0.20%
	Untreated wood	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.02%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.01	0.00	0.00	0.00%	0.44%	0.00%	0.23%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00%	0.09%	0.00%	0.05%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.09%	0.00%	0.05%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.01%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.01%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.06	0.05	0.01	0.03	1.26%	2.41%	0.64%	1.86%
	Unused home compostable food	0.00	0.01	0.00	0.00	0.00%	0.52%	0.00%	0.27%
	Non-home compostable food	0.01	0.00	0.00	0.00	0.27%	0.03%	0.06%	0.15%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.07	0.07	0.02	0.03	1.53%	2.96%	0.70%	2.27%
Organic Non-catering	Garden	3.29	1.62	2.11	1.05	70.71%	71.31%	98.27%	71.02%
	Soil	0.24	0.36	0.00	0.16	5.22%	15.64%	0.00%	10.62%
	Other organic	0.15	0.00	0.00	0.02	3.28%	0.00%	0.00%	1.58%
Organic Non-catering	Sub-total	3.68	1.98	2.11	1.23	79.21%	86.94%	98.27%	83.22%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.01%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.01%
TOTAL		4.65	2.28	2.15	1.48	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Garden Waste, Study Average									
Primary Category	Secondary Category	Arisings, kg/HHWk				Composition, wt. %			
		1	3	5	STH	1	3	5	STH
Paper	Newspapers	0.00	0.01	0.00	0.00	0.04%	0.26%	0.21%	0.19%
	Magazines	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00%	0.00%	0.30%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.01	0.00	0.00	0.16%	0.31%	0.31%	0.25%
Paper	Sub-total	0.01	0.01	0.01	0.01	0.20%	0.57%	0.83%	0.44%
Card	Liquid cartons	0.00	0.01	0.00	0.00	0.11%	0.36%	0.02%	0.27%
	Board packaging	0.30	0.18	0.03	0.11	10.81%	8.13%	2.10%	9.10%
	Card packaging	0.13	0.13	0.04	0.06	4.67%	5.84%	2.69%	5.42%
	Other card	0.01	0.00	0.00	0.00	0.23%	0.00%	0.00%	0.08%
Card	Sub-total	0.44	0.32	0.07	0.18	15.82%	14.33%	4.81%	14.87%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	PET Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.01%
	Other packaging	0.00	0.00	0.00	0.00	0.02%	0.02%	0.06%	0.02%
Dense Plastic	Sub-total	0.00	0.01	0.00	0.00	0.03%	0.57%	0.01%	0.38%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00%	0.00%	0.01%	0.00%
	Other plastic film	0.00	0.01	0.00	0.00	0.06%	0.54%	0.02%	0.36%
Plastic Film	Sub-total	0.00	0.01	0.00	0.00	0.06%	0.54%	0.03%	0.37%
Textiles	Textiles	0.00	0.00	0.01	0.00	0.00%	0.00%	0.40%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.01	0.00	0.00%	0.00%	0.40%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.17	0.00	0.06	0.00%	7.58%	0.00%	4.86%
	Untreated wood	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.02%
	Furniture	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00%	0.18%	0.00%	0.12%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.18	0.00	0.06	0.00%	7.79%	0.00%	4.99%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.03%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.03%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.03	0.11	0.04	0.04	1.05%	5.09%	2.44%	3.64%
	Unused home compostable food	0.00	0.04	0.01	0.01	0.00%	1.59%	0.37%	1.02%
	Non-home compostable food	0.01	0.01	0.00	0.01	0.23%	0.53%	0.04%	0.42%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.04	0.16	0.04	0.06	1.28%	7.22%	2.85%	5.09%
Organic Non-catering	Garden	2.08	1.33	1.22	0.76	74.75%	59.01%	81.83%	64.68%
	Soil	0.14	0.22	0.14	0.09	5.07%	9.66%	9.18%	8.01%
	Other organic	0.08	0.00	0.00	0.01	2.75%	0.00%	0.00%	0.99%
Organic Non-catering	Sub-total	2.29	1.55	1.35	0.87	82.57%	68.67%	91.01%	73.66%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.01%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.01%
TOTAL		2.78	2.26	1.49	1.18	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Dry Recyclables, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.10	0.74	0.17	0.30	0.39	11.45%	28.87%	41.02%	30.27%	28.23%	
	Magazines	0.26	0.35	0.01	0.16	0.21	30.47%	13.39%	2.02%	16.34%	15.03%	
	Other recyclable paper	0.01	0.17	0.02	0.01	0.07	1.73%	6.43%	5.88%	1.26%	4.78%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.02	0.00	0.09	0.03	0.00%	0.60%	0.06%	9.33%	2.49%	
Paper	Sub-total	0.38	1.27	0.20	0.57	0.70	43.66%	49.28%	48.97%	57.20%	50.52%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.28%		
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.22%	0.00%	0.00%		
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.06%		
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.22%	0.00%	0.34%	0.10%		
Dense Plastic	Plastic Bottles:	PET	0.06	0.02	0.01	0.01	0.02	6.46%	0.96%	1.48%	0.69%	1.45%
		PET Coloured	0.01	0.01	0.00	0.01	0.01	1.31%	0.38%	0.62%	0.69%	0.55%
		HDPE	0.03	0.01	0.00	0.01	0.01	2.92%	0.57%	0.93%	0.76%	0.85%
		HDPE Coloured	0.02	0.02	0.00	0.01	0.01	1.96%	0.76%	1.19%	1.51%	1.07%
	Other	0.00	0.00	0.00	0.00	0.00	0.23%	0.06%	0.32%	0.12%	0.11%	
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.05%	0.00%	0.00%		
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.01%		
Dense Plastic	Sub-total	0.11	0.07	0.02	0.04	0.06	12.89%	2.74%	4.58%	3.78%	4.04%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%		
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%		
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Glass	Glass bottles	0.26	0.93	0.12	0.22	0.44	30.73%	35.92%	28.65%	22.40%	31.96%	
	Glass jars	0.06	0.13	0.03	0.09	0.09	6.97%	5.18%	6.97%	9.41%	6.40%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.32	1.06	0.14	0.32	0.53	37.70%	41.10%	35.62%	31.81%	38.36%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Ferrous Metal	Ferrous food cans	0.01	0.11	0.03	0.04	0.06	1.59%	4.38%	8.41%	3.80%	4.21%	
	Ferrous beverage cans	0.01	0.02	0.00	0.00	0.01	0.71%	0.79%	0.74%	0.06%	0.62%	
	Ferrous aerosols	0.00	0.01	0.00	0.01	0.01	0.00%	0.30%	0.18%	0.83%	0.38%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.02	0.14	0.04	0.05	0.07	2.30%	5.47%	9.34%	4.68%	5.21%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.11%	0.00%	0.00%	0.07%	
	Non-ferrous beverage cans	0.03	0.02	0.00	0.02	0.02	3.22%	0.67%	1.18%	2.19%	1.28%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.13%	0.05%	0.00%	0.08%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.03	0.02	0.00	0.02	0.02	3.22%	0.91%	1.23%	2.19%	1.44%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.27%	0.00%		
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.27%	0.00%	0.02%		
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Fines	Material less than 10mm	0.00	0.01	0.00	0.00	0.00	0.00%	0.50%	0.00%	0.31%		
Fines	Sub-total	0.00	0.01	0.00	0.00	0.00	0.00%	0.50%	0.00%	0.31%		
TOTAL		0.86	2.58	0.40	1.00	1.39	100.00%	100.00%	100.00%	100.00%		

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Dry Recyclables, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.23	1.19	0.04	0.52	0.61	19.51%	38.83%	21.05%	45.70%	37.77%	
	Magazines	0.15	0.67	0.03	0.11	0.29	13.31%	21.80%	15.86%	9.97%	18.07%	
	Other recyclable paper	0.03	0.00	0.00	0.02	0.01	2.62%	0.11%	1.30%	1.47%	0.72%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.01	0.00	0.00	0.00	0.00%	0.43%	0.00%	0.06%	0.29%	
Paper	Sub-total	0.41	1.87	0.08	0.65	0.91	35.44%	61.18%	38.21%	57.20%	56.86%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.01	0.00	0.00	0.00	0.00%	0.20%	2.10%	0.00%	0.18%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	2.30%	0.00%	0.06%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.01	0.01	0.00	0.00	0.00%	0.20%	4.40%	0.00%	0.24%	
Dense Plastic	Plastic Bottles:	PET	0.06	0.04	0.01	0.02	0.03	4.74%	1.28%	5.79%	1.47%	1.82%
		PET Coloured	0.01	0.00	0.01	0.00	0.01	1.19%	0.13%	3.10%	0.19%	0.33%
		HDPE	0.03	0.04	0.01	0.02	0.02	2.81%	1.22%	2.52%	1.77%	1.56%
		HDPE Coloured	0.02	0.00	0.00	0.01	0.01	1.51%	0.11%	1.35%	0.47%	0.37%
		Other	0.00	0.00	0.00	0.00	0.00	0.42%	0.06%	0.72%	0.35%	0.18%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.16%	0.05%	0.10%	0.12%	0.08%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%		
Dense Plastic	Sub-total	0.13	0.09	0.03	0.05	0.07	10.85%	2.84%	13.59%	4.38%	4.34%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.77%	0.00%	0.06%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.77%	0.00%	0.06%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.46	0.79	0.04	0.19	0.41	39.86%	25.93%	20.35%	16.81%	25.30%	
	Glass jars	0.06	0.10	0.01	0.12	0.08	5.32%	3.26%	7.02%	10.42%	5.18%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	1.40%	0.00%	0.04%	
Glass	Sub-total	0.53	0.89	0.06	0.31	0.49	45.17%	29.19%	28.77%	27.23%	30.51%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.05	0.10	0.02	0.08	0.07	4.40%	3.33%	8.14%	7.39%	4.48%	
	Ferrous beverage cans	0.03	0.04	0.01	0.01	0.02	2.54%	1.44%	2.57%	0.67%	1.42%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.11%	1.27%	0.21%	0.15%	
	Other ferrous metal	0.00	0.00	0.00	0.01	0.00	0.00%	0.11%	0.00%	0.94%	0.28%	
Ferrous Metal	Sub-total	0.08	0.15	0.03	0.10	0.10	6.95%	4.99%	11.99%	9.22%	6.33%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.04%	0.03%	
	Non-ferrous beverage cans	0.02	0.03	0.00	0.01	0.02	1.50%	0.98%	1.85%	1.06%	1.08%	
	Non-ferrous aerosols	0.00	0.02	0.00	0.00	0.01	0.07%	0.54%	0.42%	0.30%	0.43%	
	Other non-ferrous metal	0.00	0.00	0.00	0.01	0.00	0.02%	0.00%	0.00%	0.47%	0.11%	
Non-ferrous Metal	Sub-total	0.02	0.05	0.00	0.02	0.03	1.59%	1.55%	2.27%	1.88%	1.64%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.03%	0.01%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.03%	0.01%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.07%	0.02%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.07%	0.02%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
TOTAL		1.16	3.06	0.21	1.13	1.61	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Dry Recyclables, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.16	0.97	0.10	0.41	0.50	16.09%	34.28%	34.22%	38.48%	33.34%	
	Magazines	0.21	0.51	0.02	0.14	0.25	20.60%	17.96%	6.73%	12.95%	16.66%	
	Other recyclable paper	0.02	0.08	0.01	0.01	0.04	2.24%	3.00%	4.32%	1.37%	2.61%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.01	0.00	0.05	0.02	0.00%	0.51%	0.04%	4.39%	1.31%	
Paper	Sub-total	0.39	1.57	0.14	0.61	0.81	38.93%	55.74%	45.31%	57.20%	53.92%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.11%	0.71%	0.13%	0.13%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.09%	0.00%	0.78%	0.04%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.03%	0.17%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.09%	0.11%	1.50%	0.16%	0.17%	
Dense Plastic	Plastic Bottles:	PET	0.06	0.03	0.01	0.01	0.02	5.47%	1.13%	2.95%	1.11%	1.65%
		PET Coloured	0.01	0.01	0.00	0.00	0.01	1.24%	0.24%	1.46%	0.43%	0.43%
		HDPE	0.03	0.03	0.00	0.01	0.02	2.86%	0.92%	1.47%	1.30%	1.23%
		HDPE Coloured	0.02	0.01	0.00	0.01	0.01	1.71%	0.40%	1.24%	0.96%	0.70%
		Other	0.00	0.00	0.00	0.00	0.00	0.34%	0.06%	0.46%	0.24%	0.15%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.09%	0.03%	0.07%	0.07%	0.04%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%		
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.00%	
Plastic Film	Packaging film	0.01	0.01	0.02	0.00	0.01	0.42%	0.45%	0.69%	0.38%	0.52%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.26%	0.00%	0.03%	
Plastic Film	Sub-total	0.01	0.01	0.02	0.00	0.01	0.42%	0.49%	0.95%	0.38%	0.55%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Glass bottles	0.36	0.86	0.08	0.21	0.43	35.98%	30.50%	25.82%	19.42%	28.39%	
	Glass jars	0.06	0.12	0.02	0.11	0.09	6.02%	4.14%	6.99%	9.95%	5.75%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.48%	0.00%	0.02%	
Glass	Sub-total	0.42	0.98	0.10	0.31	0.51	42.00%	34.63%	33.29%	29.37%	34.16%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.03	0.11	0.03	0.06	0.07	3.21%	3.81%	8.32%	5.71%	4.35%	
	Ferrous beverage cans	0.02	0.03	0.00	0.00	0.02	1.76%	1.14%	1.37%	0.39%	1.05%	
	Ferrous aerosols	0.00	0.01	0.00	0.01	0.00	0.00%	0.19%	0.55%	0.50%	0.26%	
	Other ferrous metal	0.00	0.00	0.00	0.01	0.00	0.00%	0.06%	0.00%	0.50%	0.15%	
Ferrous Metal	Sub-total	0.05	0.15	0.03	0.08	0.09	4.97%	5.21%	10.24%	7.10%	5.81%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.00%	0.02%	0.05%	
	Non-ferrous beverage cans	0.02	0.02	0.00	0.02	0.02	2.23%	0.84%	1.41%	1.59%	1.17%	
	Non-ferrous aerosols	0.00	0.01	0.00	0.00	0.00	0.04%	0.35%	0.17%	0.16%	0.27%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.25%	0.06%	
Non-ferrous Metal	Sub-total	0.02	0.04	0.00	0.02	0.02	2.28%	1.26%	1.58%	2.02%	1.55%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.02%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.02%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.04%	0.01%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.04%	0.01%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.18%	0.00%	0.01%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.18%	0.00%	0.00%	0.01%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Fines	Material less than 10mm	0.00	0.01	0.00	0.00	0.00	0.00%	0.23%	0.00%	0.00%	0.15%	
Fines	Sub-total	0.00	0.01	0.00	0.00	0.00	0.00%	0.23%	0.00%	0.00%	0.15%	
TOTAL		1.01	2.82	0.31	1.06	1.50	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Combined Kerbside Waste Streams, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.54	1.10	0.29	0.53	0.68	3.21%	6.72%	1.99%	3.89%	4.50%	
	Magazines	0.91	0.46	0.34	0.16	0.41	5.35%	2.80%	2.35%	1.18%	2.74%	
	Other recyclable paper	0.66	0.81	0.25	0.25	0.50	3.88%	4.96%	1.73%	1.80%	3.32%	
	Paper packaging	0.01	0.02	0.00	0.04	0.02	0.03%	0.12%	0.02%	0.27%	0.13%	
	Non-recyclable paper	0.48	0.48	0.18	0.36	0.38	2.81%	2.94%	1.24%	2.59%	2.53%	
Paper	Sub-total	2.59	2.86	1.07	1.34	1.98	15.29%	17.55%	7.34%	9.73%	13.21%	
Card	Liquid cartons	0.00	0.06	0.02	0.02	0.03	0.01%	0.34%	0.16%	0.15%	0.20%	
	Board packaging	0.11	0.32	0.16	0.20	0.20	0.65%	1.98%	1.08%	1.45%	1.35%	
	Card packaging	0.61	0.69	0.58	0.35	0.53	3.62%	4.25%	3.99%	2.54%	3.52%	
	Other card	0.00	0.04	0.12	0.00	0.04	0.00%	0.25%	0.82%	0.02%	0.25%	
Card	Sub-total	0.73	1.11	0.88	0.57	0.80	4.28%	6.82%	6.04%	4.17%	5.33%	
Dense Plastic	Plastic Bottles:	PET	0.28	0.11	0.25	0.14	0.17	1.68%	0.64%	1.68%	1.03%	1.14%
		PET Coloured	0.04	0.03	0.02	0.06	0.04	0.25%	0.18%	0.12%	0.43%	0.26%
		HDPE	0.15	0.06	0.02	0.04	0.06	0.91%	0.40%	0.11%	0.26%	0.40%
		HDPE Coloured	0.12	0.09	0.16	0.04	0.09	0.68%	0.55%	1.06%	0.29%	0.60%
	Other	0.02	0.03	0.01	0.01	0.02	0.14%	0.16%	0.08%	0.09%	0.12%	
	Other packaging	0.51	0.38	0.25	0.19	0.31	3.01%	2.31%	1.75%	1.35%	2.08%	
Other dense plastic	0.24	0.32	0.39	0.20	0.28	1.42%	1.99%	2.67%	1.44%	1.89%		
Dense Plastic	Sub-total	1.37	1.02	1.09	0.67	0.98	8.08%	6.23%	7.47%	4.90%	6.50%	
Plastic Film	Packaging film	0.39	0.50	0.29	0.28	0.37	2.31%	3.04%	2.00%	2.03%	2.48%	
	Other plastic film	0.33	0.29	0.43	0.21	0.30	1.96%	1.75%	2.93%	1.54%	1.98%	
Plastic Film	Sub-total	0.72	0.78	0.72	0.49	0.67	4.27%	4.79%	4.92%	3.57%	4.46%	
Textiles	Textiles	0.32	0.57	1.02	1.25	0.83	1.89%	3.51%	6.99%	9.08%	5.54%	
	Shoes	0.19	0.03	0.08	0.06	0.07	1.10%	0.16%	0.53%	0.46%	0.48%	
Textiles	Sub-total	0.51	0.60	1.10	1.31	0.90	3.00%	3.67%	7.52%	9.53%	6.02%	
Miscellaneous Combustibles	Treated wood	0.04	0.54	0.00	1.24	0.58	0.24%	3.32%	0.00%	9.03%	3.87%	
	Untreated wood	0.00	0.05	0.00	0.12	0.05	0.00%	0.32%	0.00%	0.86%	0.37%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	1.62	0.15	2.14	0.91	1.00	9.55%	0.89%	14.66%	6.61%	6.67%	
	Other misc. comb.	0.01	0.12	0.01	0.24	0.12	0.03%	0.71%	0.07%	1.77%	0.79%	
	Carpet and underlay	0.00	0.00	0.00	0.59	0.19	0.00%	0.00%	0.00%	4.28%	1.24%	
Miscellaneous Combustibles	Sub-total	1.67	0.86	2.15	3.10	1.94	9.82%	5.24%	14.73%	22.57%	12.93%	
Glass	Glass bottles	0.50	1.88	1.27	0.41	1.02	2.92%	10.31%	8.73%	2.98%	6.79%	
	Glass jars	0.48	0.39	0.18	0.39	0.36	2.81%	2.41%	1.20%	2.85%	2.42%	
	Other glass	0.00	0.00	0.02	0.04	0.02	0.00%	0.00%	0.14%	0.27%	0.10%	
Glass	Sub-total	0.97	2.08	1.47	0.84	1.40	5.73%	12.72%	10.06%	6.10%	9.31%	
Miscellaneous Non-combustibles	Construction and demolition	0.25	0.00	0.94	0.30	0.32	1.49%	0.00%	6.45%	2.21%	2.12%	
	Other misc.non.comb	0.05	0.00	0.03	0.00	0.01	0.29%	0.00%	0.22%	0.00%	0.09%	
Miscellaneous Non-combustibles	Sub-total	0.30	0.00	0.97	0.30	0.33	1.78%	0.00%	6.67%	2.21%	2.21%	
Ferrous Metal	Ferrous food cans	0.15	0.36	0.34	0.22	0.28	0.67%	2.20%	2.30%	1.59%	1.85%	
	Ferrous beverage cans	0.07	0.05	0.05	0.04	0.05	0.40%	0.28%	0.34%	0.29%	0.32%	
	Ferrous aerosols	0.03	0.02	0.03	0.08	0.04	0.18%	0.12%	0.23%	0.55%	0.28%	
	Other ferrous metal	0.11	0.33	0.30	0.01	0.19	0.67%	2.04%	2.08%	0.11%	1.28%	
Ferrous Metal	Sub-total	0.36	0.76	0.72	0.35	0.56	2.11%	4.65%	4.96%	2.54%	3.74%	
Non-ferrous Metal	Non-ferrous food cans	0.06	0.01	0.05	0.01	0.02	0.32%	0.06%	0.37%	0.05%	0.16%	
	Non-ferrous beverage cans	0.11	0.02	0.15	0.13	0.10	0.66%	0.15%	1.04%	0.94%	0.64%	
	Non-ferrous aerosols	0.01	0.02	0.00	0.00	0.01	0.03%	0.11%	0.03%	0.02%	0.06%	
	Other non-ferrous metal	0.07	0.14	0.03	0.03	0.07	0.39%	0.84%	0.18%	0.21%	0.47%	
Non-ferrous Metal	Sub-total	0.24	0.19	0.24	0.17	0.20	1.40%	1.16%	1.62%	1.23%	1.33%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.15	0.05	0.00%	0.00%	0.00%	1.12%	0.32%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.15	0.05	0.00%	0.00%	0.00%	1.06%	0.31%	
	Toys, Leisure & Sports Equip.	0.00	0.01	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.00%	0.01%	
	Lighting	0.00	0.05	0.00	0.00	0.02	0.00%	0.30%	0.00%	0.00%	0.11%	
	Monitoring & Ctl. Inst.	0.01	0.00	0.00	0.00	0.03	0.03%	0.00%	0.00%	0.00%	0.01%	
	Other WEEE	0.07	0.06	0.07	0.04	0.05	0.39%	0.34%	0.46%	0.28%	0.36%	
WEEE	Sub-total	0.07	0.11	0.07	0.34	0.17	0.42%	0.68%	0.46%	2.46%	1.12%	
Hazardous	Household batteries	0.01	0.02	0.00	0.01	0.01	0.06%	0.11%	0.00%	0.04%	0.06%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.04%	0.07%	0.00%	0.00%	0.03%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.01	0.02	0.10	0.02	0.03	0.06%	0.10%	0.70%	0.16%	0.23%	
Hazardous	Sub-total	0.03	0.05	0.10	0.03	0.05	0.15%	0.29%	0.70%	0.20%	0.32%	
Organic Catering	Home Compostable food	1.72	1.66	1.81	0.81	1.41	10.11%	10.19%	12.39%	5.90%	9.40%	
	Unused home compostable food	0.60	0.69	0.17	0.18	0.41	3.54%	4.24%	1.14%	1.28%	2.73%	
	Non-home compostable food	2.14	1.25	1.01	1.02	1.27	12.62%	7.67%	6.89%	7.42%	8.44%	
	Unused non-home compostable food	0.49	0.54	0.45	0.21	0.41	2.89%	3.33%	3.05%	1.50%	2.73%	
Organic Catering	Sub-total	4.95	4.15	3.43	2.21	3.50	29.16%	25.42%	23.47%	16.10%	23.30%	
Organic Non-catering	Garden	1.05	1.05	0.01	0.41	0.54	6.20%	6.42%	0.05%	2.96%	3.61%	
	Soil	0.04	0.08	0.00	0.85	0.22	0.23%	0.49%	0.00%	6.20%	1.44%	
	Other organic	0.86	0.30	0.05	0.30	0.34	5.09%	1.86%	0.36%	2.16%	2.25%	
Organic Non-catering	Sub-total	1.96	1.43	0.06	1.55	1.10	11.53%	8.77%	0.41%	11.32%	7.30%	
Fines	Material less than 10mm	0.51	0.33	0.53	0.46	0.44	2.98%	2.02%	3.61%	3.36%	2.91%	
	Sub-total	0.51	0.33	0.53	0.46	0.44	2.98%	2.02%	3.61%	3.36%	2.91%	
TOTAL		16.97	16.33	14.60	13.73	15.01	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Combined Kerbside Waste Streams, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.44	2.08	0.70	0.68	1.12	2.26%	9.89%	6.03%	4.65%	6.87%	
	Magazines	0.48	1.61	0.23	0.29	0.75	2.47%	7.65%	2.03%	1.99%	4.62%	
	Other recyclable paper	0.30	0.35	0.36	0.25	0.31	1.57%	1.67%	3.07%	1.70%	1.92%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.31	0.80	0.27	0.38	0.49	1.59%	3.79%	2.32%	2.58%	3.00%	
Paper	Sub-total	1.53	4.83	1.55	1.61	2.67	7.89%	22.99%	13.45%	10.92%	16.42%	
Card	Liquid cartons	0.05	0.06	0.04	0.02	0.04	0.26%	0.27%	0.34%	0.17%	0.26%	
	Board packaging	0.90	0.47	0.35	0.36	0.48	4.64%	2.24%	3.06%	2.47%	2.93%	
	Card packaging	0.62	0.76	0.54	0.62	0.65	3.22%	3.64%	4.64%	4.19%	3.99%	
	Other card	0.03	0.05	0.13	0.00	0.05	0.14%	0.26%	1.14%	0.02%	0.30%	
Card	Sub-total	1.60	1.35	1.06	1.01	1.22	8.27%	6.42%	9.18%	6.86%	7.49%	
Dense Plastic	Plastic Bottles:	PET	0.22	0.32	0.10	0.20	0.22	1.12%	1.54%	0.84%	1.33%	1.37%
		PET Coloured	0.05	0.03	0.03	0.03	0.03	0.28%	0.15%	0.23%	0.18%	0.20%
		HDPE	0.10	0.11	0.09	0.20	0.13	0.54%	0.52%	0.80%	1.36%	0.82%
		HDPE Coloured	0.04	0.07	0.02	0.02	0.04	0.22%	0.32%	0.21%	0.11%	0.24%
		Other	0.04	0.03	0.02	0.05	0.04	0.19%	0.16%	0.20%	0.32%	0.23%
	Other packaging	0.45	0.45	0.25	0.38	0.39	2.34%	2.16%	2.13%	2.60%	2.40%	
Dense Plastic	Sub-total	1.15	1.40	0.82	1.01	1.13	5.94%	6.64%	7.14%	6.90%	6.93%	
Plastic Film	Packaging film	0.29	0.40	0.34	0.36	0.36	1.47%	1.92%	2.92%	2.43%	2.20%	
	Other plastic film	0.36	0.38	0.30	0.48	0.39	1.86%	1.80%	2.64%	3.30%	2.43%	
Plastic Film	Sub-total	0.65	0.78	0.64	0.84	0.75	3.33%	3.72%	5.56%	5.72%	4.63%	
Textiles	Textiles	0.43	0.48	0.17	0.31	0.36	2.22%	2.28%	1.47%	2.13%	2.21%	
	Shoes	0.06	0.28	0.22	0.09	0.17	0.31%	1.32%	1.92%	0.61%	1.07%	
Textiles	Sub-total	0.49	0.76	0.39	0.40	0.53	2.53%	3.61%	3.38%	2.74%	3.28%	
Miscellaneous Combustibles	Treated wood	0.18	0.56	0.00	0.00	0.21	0.91%	2.66%	0.00%	0.00%	1.32%	
	Untreated wood	0.03	0.00	0.01	0.00	0.01	0.18%	0.01%	0.12%	0.00%	0.05%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	1.43	0.82	1.62	1.91	1.41	7.39%	3.90%	14.03%	12.96%	8.69%	
	Other misc. comb.	0.07	0.05	0.06	0.13	0.08	0.38%	0.22%	0.56%	0.90%	0.50%	
	Carpet and underlay	0.30	0.00	0.03	0.00	0.05	1.56%	0.00%	0.30%	0.00%	0.33%	
Miscellaneous Combustibles	Sub-total	2.02	1.42	1.73	2.04	1.77	10.40%	6.78%	15.01%	13.86%	10.89%	
Glass	Glass bottles	1.03	1.43	0.30	0.41	0.83	5.29%	6.82%	2.62%	2.75%	5.08%	
	Glass jars	0.35	0.30	0.14	0.23	0.25	1.81%	1.42%	1.18%	1.56%	1.56%	
	Other glass	0.11	0.04	0.00	0.00	0.03	0.58%	0.19%	0.03%	0.00%	0.19%	
Glass	Sub-total	1.49	1.77	0.44	0.63	1.11	7.68%	8.43%	3.82%	4.32%	6.83%	
Miscellaneous Non-combustibles	Construction and demolition	1.03	1.58	0.00	0.01	0.69	5.32%	7.51%	0.00%	0.04%	4.25%	
	Other misc.non.comb	0.02	0.19	0.00	0.06	0.05	0.08%	0.90%	0.00%	0.43%	0.53%	
Miscellaneous Non-combustibles	Sub-total	1.05	1.77	0.00	0.07	0.78	5.40%	8.42%	0.00%	0.46%	4.78%	
Ferrous Metal	Ferrous food cans	0.21	0.27	0.16	0.39	0.28	1.11%	1.28%	1.35%	2.66%	1.71%	
	Ferrous beverage cans	0.09	0.08	0.01	0.06	0.06	0.45%	0.40%	0.12%	0.38%	0.38%	
	Ferrous aerosols	0.02	0.03	0.01	0.02	0.02	0.08%	0.15%	0.09%	0.17%	0.14%	
	Other ferrous metal	0.03	0.08	0.01	0.04	0.05	0.17%	0.40%	0.07%	0.28%	0.30%	
Ferrous Metal	Sub-total	0.35	0.47	0.19	0.51	0.41	1.82%	2.24%	1.62%	3.50%	2.53%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.01	0.01	0.01	0.01%	0.02%	0.08%	0.07%	0.04%	
	Non-ferrous beverage cans	0.05	0.11	0.21	0.16	0.14	0.27%	0.53%	1.84%	1.06%	0.84%	
	Non-ferrous aerosols	0.00	0.03	0.01	0.04	0.03	0.00%	0.14%	0.11%	0.29%	0.16%	
	Other non-ferrous metal	0.05	0.05	0.08	0.12	0.08	0.28%	0.24%	0.68%	0.84%	0.49%	
Non-ferrous Metal	Sub-total	0.11	0.20	0.31	0.33	0.25	0.55%	0.93%	2.71%	2.26%	1.53%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.12	0.00	0.03	0.05	0.00%	0.57%	0.00%	0.18%	0.30%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.01	0.11	0.15	0.03	0.08	0.05%	0.53%	1.30%	0.21%	0.48%	
	Lighting	0.00	0.01	0.00	0.00	0.00	0.02%	0.03%	0.00%	0.01%	0.02%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.01	0.00	0.15	0.35	0.14	0.06%	0.00%	1.30%	2.39%	0.88%	
WEEE	Sub-total	0.03	0.24	0.30	0.41	0.27	0.14%	1.12%	2.61%	2.79%	1.67%	
Hazardous	Household batteries	0.00	0.02	0.00	0.01	0.01	0.02%	0.07%	0.00%	0.06%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.04%	0.03%	0.00%	0.02%	0.02%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.02	0.00	0.00	0.00	0.00	0.12%	0.00%	0.00%	0.00%	0.02%	
Hazardous	Sub-total	0.03	0.02	0.00	0.01	0.02	0.18%	0.10%	0.00%	0.08%	0.10%	
Organic Catering	Home Compostable food	1.05	0.92	1.15	0.90	0.97	5.40%	4.36%	9.92%	6.12%	5.98%	
	Unused home compostable food	0.50	0.68	0.39	0.33	0.49	2.56%	3.24%	3.37%	2.27%	2.99%	
	Non-home compostable food	0.95	0.92	0.77	0.79	0.86	4.88%	4.39%	6.67%	5.40%	5.26%	
	Unused non-home compostable food	1.13	0.80	0.87	1.03	0.94	5.83%	3.82%	7.56%	6.98%	5.77%	
Organic Catering	Sub-total	3.62	3.32	3.18	3.06	3.25	18.67%	15.81%	27.52%	20.77%	20.01%	
Organic Non-catering	Garden	3.56	2.13	0.00	2.25	1.30	18.36%	10.14%	0.00%	15.27%	8.03%	
	Soil	0.37	0.36	0.00	0.00	0.18	1.91%	1.69%	0.00%	0.00%	1.08%	
	Other organic	0.68	0.06	0.68	0.39	0.38	3.52%	0.26%	5.84%	2.68%	2.34%	
Organic Non-catering	Sub-total	4.62	2.54	0.68	2.64	1.86	23.79%	12.10%	5.84%	17.96%	11.45%	
Fines	Material less than 10mm	0.66	0.15	0.25	0.13	0.24	3.40%	0.69%	2.15%	0.87%	1.47%	
	Fines	Sub-total	0.66	0.15	0.25	0.13	0.24	3.40%	0.69%	2.15%	0.87%	1.47%
TOTAL		19.40	21.01	11.55	14.71	16.25	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens Combined Kerbside Waste Streams, Study Averages												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	STH	1	3	4	5	STH	
Paper	Newspapers	0.49	1.59	0.49	0.61	0.90	2.70%	8.50%	3.78%	4.28%	5.73%	
	Magazines	0.69	1.03	0.29	0.23	0.58	3.82%	5.53%	2.21%	1.60%	3.72%	
	Other recyclable paper	0.48	0.58	0.30	0.25	0.41	2.65%	3.11%	2.32%	1.75%	2.59%	
	Paper packaging	0.00	0.01	0.00	0.02	0.01	0.02%	0.05%	0.01%	0.13%	0.06%	
	Non-recyclable paper	0.39	0.64	0.22	0.37	0.43	2.16%	3.42%	1.72%	2.59%	2.77%	
Paper	Sub-total	2.06	3.85	1.31	1.47	2.33	11.34%	20.61%	10.04%	10.35%	14.88%	
Card	Liquid cartons	0.03	0.06	0.03	0.02	0.04	0.14%	0.30%	0.24%	0.16%	0.23%	
	Board packaging	0.51	0.40	0.26	0.28	0.34	2.78%	2.13%	1.95%	1.98%	2.17%	
	Card packaging	0.62	0.73	0.56	0.48	0.59	3.41%	3.91%	4.28%	3.39%	3.77%	
	Other card	0.01	0.05	0.13	0.00	0.04	0.08%	0.26%	0.96%	0.02%	0.28%	
Card	Sub-total	1.16	1.23	0.97	0.79	1.01	6.41%	6.59%	7.43%	5.56%	6.45%	
Dense Plastic	Plastic Bottles:	PET	0.25	0.21	0.17	0.17	0.20	1.38%	1.15%	1.31%	1.19%	1.26%
		PET Coloured	0.05	0.03	0.02	0.04	0.04	0.27%	0.16%	0.17%	0.30%	0.23%
		HDPE	0.13	0.09	0.05	0.12	0.10	0.71%	0.46%	0.41%	0.83%	0.62%
		HDPE Coloured	0.08	0.08	0.09	0.03	0.06	0.43%	0.42%	0.69%	0.19%	0.41%
	Other	0.03	0.03	0.02	0.03	0.03	0.17%	0.16%	0.13%	0.21%	0.18%	
	Other packaging	0.48	0.42	0.25	0.28	0.35	2.66%	2.23%	1.91%	2.00%	2.25%	
Other dense plastic	0.24	0.35	0.35	0.17	0.28	1.33%	1.88%	2.69%	1.21%	1.78%		
Dense Plastic	Sub-total	0.34	0.45	0.31	0.32	0.36	1.86%	2.41%	2.40%	2.24%	2.33%	
Plastic Film	Packaging film	0.38	0.50	0.41	0.23	0.34	1.35%	2.60%	2.43%	2.00%	2.11%	
	Other plastic film	0.35	0.33	0.37	0.35	0.35	1.91%	1.78%	2.80%	2.45%	2.21%	
Plastic Film	Sub-total	0.73	0.83	0.78	0.58	0.69	3.26%	4.38%	5.23%	4.45%	4.33%	
Textiles	Textiles	0.38	0.53	0.60	0.78	0.60	2.07%	2.82%	4.55%	5.48%	3.81%	
	Shoes	0.12	0.15	0.15	0.08	0.12	0.68%	0.81%	1.14%	0.54%	0.79%	
Textiles	Sub-total	0.50	0.68	0.74	0.86	0.72	2.75%	3.63%	5.69%	6.02%	4.60%	
Miscellaneous Combustibles	Treated wood	0.11	0.55	0.00	0.62	0.40	0.60%	2.95%	0.00%	4.36%	2.54%	
	Untreated wood	0.02	0.03	0.01	0.06	0.03	0.10%	0.14%	0.05%	0.42%	0.20%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	1.53	0.48	1.88	1.41	1.21	8.39%	2.58%	14.38%	9.89%	7.72%	
	Other misc. comb.	0.04	0.08	0.04	0.19	0.10	0.22%	0.43%	0.29%	1.32%	0.64%	
	Carpet and underlay	0.15	0.00	0.02	0.29	0.12	0.83%	0.00%	0.13%	2.07%	0.76%	
Miscellaneous Combustibles	Sub-total	1.84	1.14	1.94	2.57	1.86	10.13%	6.11%	14.85%	18.06%	11.87%	
Glass	Glass bottles	0.76	1.56	0.79	0.41	0.92	4.19%	8.34%	6.03%	2.86%	5.90%	
	Glass jars	0.41	0.35	0.16	0.31	0.31	2.28%	1.86%	1.19%	2.18%	1.97%	
	Other glass	0.06	0.02	0.01	0.02	0.02	0.31%	0.11%	0.09%	0.13%	0.15%	
Glass	Sub-total	1.23	1.92	0.96	0.74	1.25	6.77%	10.30%	7.31%	5.18%	8.02%	
Miscellaneous Non-combustibles	Construction and demolition	0.64	0.79	0.47	0.15	0.50	3.53%	4.23%	3.60%	1.09%	3.23%	
	Other misc.non.comb	0.03	0.09	0.02	0.03	0.05	0.18%	0.51%	0.12%	0.22%	0.32%	
Miscellaneous Non-combustibles	Sub-total	0.67	0.88	0.49	0.19	0.55	3.71%	4.74%	3.73%	1.31%	3.55%	
Ferrous Metal	Ferrous food cans	0.18	0.31	0.25	0.31	0.28	1.00%	1.69%	1.88%	2.15%	1.78%	
	Ferrous beverage cans	0.08	0.07	0.03	0.05	0.06	0.43%	0.35%	0.24%	0.34%	0.35%	
	Ferrous aerosols	0.02	0.03	0.02	0.05	0.03	0.13%	0.14%	0.17%	0.35%	0.21%	
	Other ferrous metal	0.07	0.21	0.16	0.03	0.12	0.40%	1.12%	1.19%	0.20%	0.77%	
Ferrous Metal	Sub-total	0.36	0.61	0.46	0.43	0.49	1.96%	3.29%	3.48%	3.04%	3.11%	
Non-ferrous Metal	Non-ferrous food cans	0.03	0.01	0.03	0.01	0.02	0.16%	0.04%	0.24%	0.06%	0.10%	
	Non-ferrous beverage cans	0.08	0.07	0.18	0.14	0.12	0.45%	0.37%	1.39%	1.00%	0.74%	
	Non-ferrous aerosols	0.00	0.02	0.01	0.02	0.02	0.02%	0.13%	0.06%	0.16%	0.11%	
	Other non-ferrous metal	0.06	0.09	0.05	0.08	0.07	0.33%	0.50%	0.40%	0.54%	0.48%	
Non-ferrous Metal	Sub-total	0.17	0.19	0.27	0.25	0.22	0.95%	1.03%	2.10%	1.76%	1.43%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.08	0.02	0.00%	0.00%	0.00%	0.54%	0.16%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.06	0.00	0.01	0.02	0.00%	0.32%	0.00%	0.09%	0.16%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.07	0.02	0.00%	0.00%	0.00%	0.51%	0.15%	
	Toys, Leisure & Sports Equip.	0.01	0.06	0.08	0.02	0.04	0.03%	0.31%	0.58%	0.11%	0.25%	
	Lighting	0.00	0.03	0.00	0.00	0.01	0.01%	0.15%	0.00%	0.01%	0.06%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.04	0.03	0.11	0.20	0.10	0.21%	0.15%	0.83%	1.37%	0.83%	
WEEE	Sub-total	0.05	0.17	0.18	0.37	0.22	0.27%	0.93%	1.41%	2.63%	1.41%	
Hazardous	Household batteries	0.01	0.02	0.00	0.01	0.01	0.04%	0.09%	0.00%	0.06%	0.06%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.04%	0.05%	0.00%	0.01%	0.03%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.02	0.01	0.05	0.01	0.02	0.09%	0.04%	0.39%	0.08%	0.12%	
Hazardous	Sub-total	0.03	0.03	0.05	0.02	0.03	0.17%	0.18%	0.39%	0.14%	0.21%	
Organic Catering	Home Compostable food	1.38	1.29	1.48	0.85	1.19	7.60%	6.91%	11.30%	6.01%	7.62%	
	Unused home compostable food	0.55	0.69	0.28	0.25	0.45	3.02%	3.68%	2.13%	1.79%	2.86%	
	Non-home compostable food	1.54	1.09	0.89	0.91	1.06	8.49%	5.82%	6.79%	6.38%	6.79%	
	Unused non-home compostable food	0.81	0.67	0.66	0.62	0.67	4.46%	3.61%	5.04%	4.33%	4.31%	
Organic Catering	Sub-total	4.28	3.74	3.30	2.63	3.37	23.57%	20.02%	25.26%	18.52%	21.59%	
Organic Non-catering	Garden	2.31	1.59	0.00	1.33	0.92	12.69%	8.51%	0.03%	9.33%	5.90%	
	Soil	0.20	0.22	0.00	0.43	0.20	1.13%	1.17%	0.00%	2.99%	1.25%	
	Other organic	0.77	0.18	0.36	0.35	0.36	4.26%	0.96%	2.78%	2.43%	2.30%	
Organic Non-catering	Sub-total	3.29	1.99	0.37	2.10	1.48	18.07%	10.64%	2.81%	14.75%	9.45%	
Fines	Material less than 10mm	0.58	0.24	0.39	0.29	0.34	3.21%	1.27%	2.97%	2.07%	2.16%	
Fines	Sub-total	0.58	0.24	0.39	0.29	0.34	3.21%	1.27%	2.97%	2.07%	2.16%	
TOTAL		18.18	18.67	13.08	14.22	15.63	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix D

St Helens BMW, Study Averages									
Material sub-category	BMW Content	Arisings, kg/hh/wk				Assay, %			
		RW	GW	DR	Combined	RW	GW	DR	Combined
Newspapers	100%	0.39	0.00	0.50	0.90	3.0%	0.2%	33.3%	5.7%
Magazines	100%	0.33	0.00	0.25	0.58	2.6%	0.0%	16.7%	3.7%
Other recyclable paper	100%	0.37	0.00	0.04	0.41	2.8%	0.0%	2.6%	2.6%
Paper packaging	100%	0.01	0.00	0.00	0.01	0.1%	0.0%	0.0%	0.1%
Non-recyclable paper	100%	0.41	0.00	0.02	0.43	3.2%	0.3%	1.3%	2.8%
Liquid cartons	100%	0.03	0.00	0.00	0.04	0.3%	0.3%	0.0%	0.2%
Board packaging	100%	0.23	0.11	0.00	0.34	1.8%	9.1%	0.1%	2.2%
Card packaging	100%	0.52	0.06	0.00	0.59	4.0%	5.4%	0.0%	3.8%
Other card	100%	0.04	0.00	0.00	0.04	0.3%	0.1%	0.0%	0.3%
Plastic Bottles: PET	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
PET Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other dense plastic	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Textiles	50%	0.30	0.00	0.00	0.30	2.3%	0.0%	0.0%	1.9%
Shoes	50%	0.06	0.00	0.00	0.06	0.5%	0.0%	0.0%	0.4%
Treated wood	50%	0.17	0.03	0.00	0.20	1.3%	2.4%	0.0%	1.3%
Untreated wood	50%	0.02	0.00	0.00	0.02	0.1%	0.0%	0.0%	0.1%
Furniture	50%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Nappies/ Sanitary	50%	0.60	0.00	0.00	0.60	4.7%	0.1%	0.0%	3.9%
Other misc. comb.	50%	0.05	0.00	0.00	0.05	0.4%	0.0%	0.0%	0.3%
Carpet and underlay	50%	0.06	0.00	0.00	0.06	0.5%	0.0%	0.0%	0.4%
Glass bottles	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Glass jars	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other glass	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Construction and demolition	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other misc.non.comb	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other non-ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Fridges, Freezers	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Large hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Small hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
IT & Telecoms Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Consumer Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Elec. & Electronic Tools	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Toys,Leisure & Sports Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Lighting	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Monitoring & Ctl. Inst.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other WEEE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Household batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Car batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Identifiable clinical waste	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Engine oil	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other pntl. haz.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Home compostable food	100%	1.15	0.04	0.00	1.19	8.9%	3.6%	0.0%	7.6%
Unused home compostable food	100%	0.44	0.01	0.00	0.45	3.4%	1.0%	0.0%	2.9%
Non-home compostable food	100%	1.06	0.01	0.00	1.06	8.2%	0.4%	0.0%	6.8%
Unused non-home compostable food	100%	0.67	0.00	0.00	0.67	5.2%	0.0%	0.0%	4.3%
Garden	100%	0.16	0.76	0.00	0.92	1.2%	64.7%	0.0%	5.9%
Soil	100%	0.10	0.09	0.00	0.20	0.8%	8.0%	0.0%	1.3%
Other organic	100%	0.35	0.01	0.00	0.36	2.7%	1.0%	0.0%	2.3%
Material less than 10mm	50%	0.17	0.00	0.00	0.17	1.3%	0.0%	0.1%	1.1%
Totals		7.69	1.14	0.81	9.64	59.4%	96.6%	54.2%	61.7%



Appendix D

Entec

Creating the environment for business



Appendix D

Appendix E Wirral Tables



Appendix E

Entec

Creating the environment for business



Appendix E

Wirral Residual Waste, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	0.19	0.23	0.17	0.26	0.22	2.34%	1.65%	2.36%	2.33%	2.00%	
	Magazines	0.05	0.11	0.14	0.14	0.11	0.67%	0.81%	1.93%	1.22%	1.01%	
	Other recyclable paper	0.24	0.31	0.09	0.41	0.28	2.90%	2.28%	1.28%	3.60%	2.57%	
	Paper packaging	0.00	0.01	0.05	0.02	0.02	0.03%	0.10%	0.65%	0.17%	0.17%	
	Non-recyclable paper	0.44	0.68	0.32	0.21	0.46	5.35%	4.96%	4.57%	1.86%	4.26%	
Paper	Sub-total	0.92	1.34	0.77	1.04	1.08	11.28%	9.81%	10.79%	9.18%	10.02%	
Card	Liquid cartons	0.03	0.03	0.01	0.02	0.02	0.38%	0.19%	0.10%	0.19%	0.21%	
	Board packaging	0.05	0.03	0.03	0.08	0.04	0.61%	0.20%	0.47%	0.67%	0.41%	
	Card packaging	0.17	0.37	0.13	0.28	0.27	2.13%	2.73%	1.86%	2.46%	2.47%	
	Other card	0.00	0.03	0.01	0.00	0.02	0.00%	0.25%	0.15%	0.00%	0.14%	
Card	Sub-total	0.26	0.46	0.18	0.38	0.35	3.13%	3.37%	2.56%	3.32%	3.22%	
Dense Plastic	Plastic Bottles:	PET	0.02	0.06	0.04	0.09	0.06	0.28%	0.46%	0.56%	0.77%	0.51%
		PET Coloured	0.02	0.06	0.00	0.01	0.03	0.29%	0.40%	0.03%	0.09%	0.27%
		HDPE	0.01	0.05	0.02	0.03	0.03	0.16%	0.38%	0.31%	0.24%	0.30%
		HDPE Coloured	0.01	0.02	0.03	0.04	0.02	0.13%	0.15%	0.36%	0.33%	0.21%
		Other	0.02	0.03	0.01	0.01	0.02	0.23%	0.22%	0.12%	0.12%	0.19%
	Other packaging	0.28	0.41	0.16	0.30	0.31	3.45%	2.99%	2.29%	2.66%	2.91%	
	Other dense plastic	0.11	0.20	0.11	0.28	0.18	1.36%	1.44%	1.58%	2.50%	1.69%	
Dense Plastic	Sub-total	0.48	0.83	0.37	0.76	0.66	5.90%	6.04%	5.25%	6.72%	6.08%	
Plastic Film	Packaging film	0.25	0.48	0.25	0.39	0.37	3.10%	3.48%	3.53%	3.47%	3.42%	
	Other plastic film	0.21	0.42	0.28	0.23	0.31	2.62%	3.07%	3.95%	2.02%	2.85%	
Plastic Film	Sub-total	0.47	0.90	0.53	0.62	0.68	5.72%	6.55%	7.48%	5.49%	6.27%	
Textiles	Textiles	0.60	0.41	0.40	0.60	0.49	7.42%	3.03%	5.69%	5.28%	4.58%	
	Shoes	0.08	0.20	0.05	0.08	0.12	1.03%	1.44%	0.71%	0.68%	1.11%	
Textiles	Sub-total	0.69	0.61	0.46	0.67	0.61	8.45%	4.47%	6.40%	5.96%	5.69%	
Miscellaneous Combustibles	Treated wood	0.02	0.18	0.12	0.06	0.11	0.29%	1.35%	1.66%	0.51%	1.02%	
	Untreated wood	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.05%	0.06%	0.02%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.48	0.93	1.55	1.16	0.99	5.94%	6.82%	21.86%	10.27%	9.22%	
	Other misc. comb.	0.03	0.12	0.06	0.08	0.08	0.31%	0.84%	0.82%	0.71%	0.72%	
	Carpet and underlay	0.00	0.04	0.03	0.08	0.04	0.00%	0.27%	0.49%	0.66%	0.34%	
Miscellaneous Combustibles	Sub-total	0.53	1.27	1.77	1.38	1.22	6.53%	9.28%	24.87%	12.21%	11.31%	
Glass	Glass bottles	0.10	0.04	0.19	0.15	0.10	1.18%	0.32%	2.71%	1.32%	0.97%	
	Glass jars	0.18	0.26	0.05	0.16	0.18	2.24%	1.90%	0.77%	1.38%	1.71%	
	Other glass	0.00	0.03	0.01	0.09	0.04	0.05%	0.25%	0.08%	0.82%	0.33%	
Glass	Sub-total	0.28	0.34	0.25	0.40	0.32	3.47%	2.48%	3.56%	3.52%	3.01%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.03	0.11	1.63	0.39	0.04%	0.19%	1.53%	14.43%	3.62%	
	Other misc.non.comb	0.09	0.12	0.01	0.09	0.09	1.11%	0.89%	0.15%	0.75%	0.81%	
Miscellaneous Non-combustibles	Sub-total	0.09	0.15	0.12	1.72	0.48	1.15%	1.08%	1.69%	15.18%	4.42%	
Ferrous Metal	Ferrous food cans	0.09	0.18	0.09	0.25	0.16	1.07%	1.29%	1.33%	2.24%	1.48%	
	Ferrous beverage cans	0.01	0.03	0.01	0.00	0.02	0.09%	0.23%	0.17%	0.00%	0.14%	
	Ferrous aerosols	0.05	0.01	0.01	0.03	0.02	0.58%	0.07%	0.18%	0.26%	0.21%	
	Other ferrous metal	0.28	0.11	0.01	0.03	0.11	3.43%	0.78%	0.17%	0.28%	1.03%	
Ferrous Metal	Sub-total	0.42	0.32	0.13	0.32	0.31	5.17%	2.36%	1.85%	2.79%	2.86%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.01	0.01	0.00	0.00%	0.03%	0.08%	0.06%	0.04%	
	Non-ferrous beverage cans	0.00	0.07	0.02	0.00	0.03	0.02%	0.53%	0.23%	0.03%	0.30%	
	Non-ferrous aerosols	0.02	0.01	0.01	0.00	0.01	0.25%	0.08%	0.10%	0.00%	0.09%	
	Other non-ferrous metal	0.10	0.09	0.02	0.04	0.07	1.22%	0.69%	0.31%	0.39%	0.66%	
Non-ferrous Metal	Sub-total	0.12	0.18	0.05	0.05	0.12	1.50%	1.34%	0.72%	0.47%	1.09%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.20	0.02	0.00	0.08	0.00%	1.46%	0.33%	0.00%	0.75%	
	IT & Telecoms Equip.	0.00	0.02	0.03	0.00	0.01	0.00%	0.13%	0.37%	0.00%	0.11%	
	Consumer Equip.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.08%	0.00%	0.01%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.13%	0.00%	0.02%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.03	0.00	0.00	0.01	0.00%	0.19%	0.00%	0.00%	0.09%	
	Other WEEE	0.10	0.07	0.09	0.01	0.07	1.19%	0.51%	1.22%	0.12%	0.62%	
WEEE	Sub-total	0.10	0.31	0.15	0.01	0.17	1.19%	2.29%	2.14%	0.12%	1.59%	
Hazardous	Household batteries	0.00	0.01	0.01	0.01	0.01	0.02%	0.10%	0.14%	0.07%	0.08%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.11	0.02	0.03	0.05	0.04%	0.81%	0.31%	0.22%	0.49%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.02	0.06	0.01	0.00	0.03	0.23%	0.45%	0.12%	0.00%	0.27%	
Hazardous	Sub-total	0.02	0.19	0.04	0.03	0.09	0.29%	1.36%	0.57%	0.29%	0.84%	
Organic Catering	Home Compostable food	1.06	1.56	0.59	1.19	1.20	13.07%	11.41%	8.36%	10.50%	11.12%	
	Unused home compostable food	0.60	0.81	0.06	0.40	0.54	7.36%	5.91%	0.84%	3.55%	5.01%	
	Non-home compostable food	1.26	1.72	0.98	1.23	1.38	15.49%	12.58%	13.75%	10.87%	12.80%	
	Unused non-home compostable food	0.31	0.42	0.14	0.42	0.35	3.77%	3.08%	1.92%	3.75%	3.21%	
Organic Catering	Sub-total	3.23	4.51	1.77	3.24	3.47	39.69%	32.98%	24.87%	28.67%	32.15%	
Organic Non-catering	Garden	0.06	0.34	0.01	0.03	0.15	0.68%	2.50%	0.07%	0.27%	1.40%	
	Soil	0.15	0.00	0.10	0.08	0.07	1.83%	0.00%	1.45%	0.74%	0.64%	
	Other organic	0.07	1.53	0.18	0.20	0.68	0.86%	11.17%	2.48%	1.79%	6.30%	
Organic Non-catering	Sub-total	0.27	1.87	0.28	0.32	0.90	3.36%	13.67%	4.00%	2.80%	8.34%	
Fines	Material less than 10mm	0.26	0.40	0.23	0.37	0.33	3.17%	2.95%	3.24%	3.27%	3.09%	
	Sub-total	0.26	0.40	0.23	0.37	0.33	3.17%	2.95%	3.24%	3.27%	3.09%	
TOTAL		8.15	13.68	7.11	11.31	10.79	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Residual Waste, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	0.10	0.27	0.24	0.28	0.23	1.45%	2.54%	3.06%	3.36%	2.60%	
	Magazines	0.16	0.07	0.21	0.11	0.12	2.21%	0.68%	2.69%	1.27%	1.38%	
	Other recyclable paper	0.11	0.14	0.25	0.28	0.18	1.57%	1.31%	3.19%	3.32%	2.07%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.53	0.85	0.32	0.35	0.57	7.45%	8.04%	4.11%	4.08%	6.49%	
Paper	Sub-total	0.90	1.32	1.02	1.02	1.11	12.68%	12.57%	13.04%	12.03%	12.55%	
Card	Liquid cartons	0.01	0.03	0.01	0.02	0.02	0.20%	0.26%	0.13%	0.19%	0.21%	
	Board packaging	0.07	0.12	0.17	0.30	0.16	0.98%	1.12%	2.24%	3.50%	1.78%	
	Card packaging	0.16	0.34	0.30	0.16	0.25	2.27%	3.23%	3.87%	1.85%	2.87%	
	Other card	0.03	0.04	0.01	0.00	0.02	0.37%	0.40%	0.07%	0.05%	0.27%	
Card	Sub-total	0.27	0.53	0.49	0.47	0.45	3.82%	5.01%	6.31%	5.59%	5.13%	
Dense Plastic	Plastic Bottles:	PET	0.02	0.12	0.06	0.11	0.09	0.22%	1.16%	0.81%	1.35%	0.98%
		PET Coloured	0.01	0.01	0.02	0.03	0.02	0.11%	0.13%	0.29%	0.39%	0.20%
		HDPE	0.04	0.07	0.06	0.13	0.08	0.58%	0.68%	0.72%	1.53%	0.85%
		HDPE Coloured	0.01	0.03	0.02	0.01	0.02	0.14%	0.33%	0.29%	0.11%	0.24%
		Other	0.01	0.02	0.03	0.01	0.01	0.18%	0.16%	0.32%	0.08%	0.17%
	Other packaging	0.33	0.53	0.24	0.26	0.38	4.68%	5.07%	3.04%	3.10%	4.27%	
Other dense plastic	0.18	0.24	0.08	0.09	0.17	2.49%	2.28%	1.00%	1.09%	1.87%		
Dense Plastic	Sub-total	0.59	1.03	0.50	0.65	0.76	8.39%	9.81%	6.48%	7.63%	8.59%	
Plastic Film	Packaging film	0.24	0.48	0.27	0.19	0.33	3.37%	4.54%	3.47%	2.22%	3.66%	
	Other plastic film	0.18	0.34	0.25	0.29	0.28	2.48%	3.24%	3.19%	3.45%	3.14%	
Plastic Film	Sub-total	0.41	0.82	0.52	0.48	0.60	5.85%	7.78%	6.66%	5.67%	6.82%	
Textiles	Textiles	0.20	0.52	0.21	0.20	0.32	2.86%	4.93%	2.63%	2.39%	3.67%	
	Shoes	0.06	0.04	0.04	0.04	0.04	0.90%	0.36%	0.46%	0.49%	0.50%	
Textiles	Sub-total	0.27	0.56	0.24	0.24	0.37	3.76%	5.29%	3.10%	2.88%	4.17%	
Miscellaneous Combustibles	Treated wood	0.02	0.23	0.10	0.07	0.12	0.31%	2.16%	1.24%	0.80%	1.41%	
	Untreated wood	0.00	0.07	0.00	0.02	0.03	0.00%	0.62%	0.00%	0.24%	0.34%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.86	0.49	1.58	0.70	0.81	12.13%	4.69%	20.35%	8.24%	9.17%	
	Other misc. comb.	0.16	0.06	0.03	0.02	0.07	2.23%	0.60%	0.44%	0.28%	0.79%	
	Carpet and underlay	0.00	0.14	0.00	0.00	0.05	0.00%	1.31%	0.00%	0.00%	0.60%	
Miscellaneous Combustibles	Sub-total	1.04	0.99	1.72	0.81	1.09	14.67%	9.38%	22.03%	9.55%	12.30%	
Glass	Glass bottles	0.02	0.08	0.19	0.20	0.11	0.26%	0.78%	2.45%	2.39%	1.29%	
	Glass jars	0.10	0.23	0.18	0.15	0.18	1.39%	2.22%	2.36%	1.72%	1.99%	
	Other glass	0.00	0.00	0.09	0.03	0.02	0.05%	0.00%	1.13%	0.31%	0.25%	
Glass	Sub-total	0.12	0.32	0.46	0.37	0.31	1.69%	3.00%	5.94%	4.41%	3.53%	
Miscellaneous Non-combustibles	Construction and demolition	0.28	0.06	0.00	0.09	0.10	3.61%	0.58%	0.00%	1.07%	1.12%	
	Other misc.non.comb	0.00	0.09	0.14	0.03	0.07	0.02%	0.90%	1.80%	0.40%	0.78%	
Miscellaneous Non-combustibles	Sub-total	0.28	0.16	0.14	0.12	0.17	3.63%	1.48%	1.80%	1.47%	1.90%	
Ferrous Metal	Ferrous food cans	0.05	0.15	0.13	0.12	0.12	0.67%	1.44%	1.73%	1.47%	1.36%	
	Ferrous beverage cans	0.02	0.02	0.04	0.07	0.04	0.31%	0.22%	0.52%	0.82%	0.41%	
	Ferrous aerosols	0.02	0.02	0.01	0.02	0.02	0.23%	0.20%	0.07%	0.18%	0.18%	
	Other ferrous metal	0.22	0.10	0.07	0.01	0.10	3.05%	0.98%	0.84%	0.16%	1.14%	
Ferrous Metal	Sub-total	0.30	0.30	0.25	0.22	0.27	4.27%	2.84%	3.15%	2.63%	3.09%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.01	0.00	0.01	0.16%	0.00%	0.14%	0.05%	0.06%	
	Non-ferrous beverage cans	0.10	0.10	0.10	0.03	0.08	1.41%	0.92%	1.32%	0.38%	0.95%	
	Non-ferrous aerosols	0.01	0.01	0.01	0.01	0.01	0.07%	0.12%	0.18%	0.13%	0.12%	
	Other non-ferrous metal	0.05	0.04	0.06	0.09	0.06	0.72%	0.35%	0.81%	1.02%	0.63%	
Non-ferrous Metal	Sub-total	0.17	0.15	0.19	0.13	0.16	2.36%	1.38%	2.45%	1.57%	1.76%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.15	0.00	0.09	0.08	0.00%	1.45%	0.00%	1.06%	0.89%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.04	0.04%	0.02%	0.00%	0.00%	0.02%	
	Consumer Equip.	0.00	0.01	0.09	0.09	0.04	0.00%	0.08%	1.20%	1.03%	0.44%	
	Elec. & Electronic Tools	0.03	0.00	0.06	0.13	0.05	0.45%	0.00%	0.77%	1.57%	0.53%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.06%	0.01%	
	Lighting	0.02	0.03	0.00	0.01	0.02	0.31%	0.25%	0.00%	0.12%	0.19%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.03	0.02	0.00	0.02	0.02	0.42%	0.15%	0.04%	0.26%	0.20%	
WEEE	Sub-total	0.09	0.21	0.16	0.35	0.20	1.23%	1.95%	2.01%	4.11%	2.29%	
Hazardous	Household batteries	0.02	0.01	0.01	0.01	0.01	0.25%	0.11%	0.07%	0.11%	0.13%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.07%	0.05%	0.00%	0.00%	0.04%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.01	0.04	0.00	0.01	0.02	0.09%	0.40%	0.00%	0.10%	0.22%	
Hazardous	Sub-total	0.03	0.06	0.01	0.02	0.03	0.41%	0.56%	0.07%	0.22%	0.38%	
Organic Catering	Home Compostable food	0.65	0.94	0.75	1.04	0.86	9.16%	8.88%	9.64%	12.33%	9.78%	
	Unused home compostable food	0.30	0.38	0.34	0.31	0.34	4.20%	3.66%	4.41%	3.65%	3.87%	
	Non-home compostable food	0.39	0.62	0.59	0.98	0.64	5.56%	5.92%	7.56%	11.51%	7.30%	
	Unused non-home compostable food	0.67	0.77	0.33	0.86	0.69	9.47%	7.29%	4.21%	10.15%	7.80%	
Organic Catering	Sub-total	2.01	2.71	2.01	3.19	2.54	28.39%	25.75%	25.82%	37.64%	28.74%	
Organic Non-catering	Garden	0.23	0.69	0.04	0.22	0.37	3.26%	6.57%	0.47%	2.66%	4.22%	
	Soil	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.18%	0.00%	0.03%	
	Other organic	0.28	0.44	0.01	0.05	0.24	3.89%	4.22%	0.15%	0.56%	2.75%	
Organic Non-catering	Sub-total	0.51	1.14	0.06	0.27	0.62	7.15%	10.78%	0.79%	3.21%	7.00%	
Fines	Material less than 10mm	0.12	0.25	0.03	0.12	0.15	1.69%	2.42%	0.35%	1.40%	1.75%	
	Fines	Sub-total	0.12	0.25	0.03	0.12	0.15	1.69%	2.42%	0.35%	1.40%	1.75%
TOTAL		7.07	10.53	7.79	8.47	8.84	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Residual Waste, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	0.15	0.25	0.20	0.27	0.22	1.92%	2.04%	2.72%	2.77%	2.27%	
	Magazines	0.11	0.09	0.17	0.12	0.12	1.38%	0.76%	2.32%	1.24%	1.18%	
	Other recyclable paper	0.17	0.23	0.17	0.34	0.23	2.28%	1.86%	2.28%	3.48%	2.35%	
	Paper packaging	0.00	0.01	0.02	0.01	0.01	0.02%	0.06%	0.31%	0.10%	0.09%	
	Non-recyclable paper	0.48	0.76	0.32	0.28	0.52	6.32%	6.30%	4.33%	2.81%	5.26%	
Paper	Sub-total	0.91	1.33	0.89	1.03	1.10	11.93%	11.01%	11.96%	10.40%	11.16%	
Card	Liquid cartons	0.02	0.03	0.01	0.02	0.02	0.30%	0.22%	0.12%	0.19%	0.21%	
	Board packaging	0.06	0.07	0.10	0.19	0.10	0.78%	0.60%	1.39%	1.88%	1.02%	
	Card packaging	0.17	0.36	0.22	0.22	0.26	2.19%	2.95%	2.91%	2.20%	2.65%	
	Other card	0.01	0.04	0.01	0.00	0.02	0.17%	0.32%	0.11%	0.02%	0.20%	
Card	Sub-total	0.26	0.49	0.34	0.42	0.40	3.45%	4.08%	4.53%	4.29%	4.08%	
Dense Plastic	Plastic Bottles:	PET	0.02	0.09	0.05	0.10	0.07	0.25%	0.76%	0.69%	1.02%	0.72%
		PET Coloured	0.02	0.03	0.01	0.02	0.02	0.20%	0.28%	0.17%	0.22%	0.24%
		HDPE	0.03	0.06	0.04	0.08	0.05	0.35%	0.51%	0.53%	0.79%	0.55%
		HDPE Coloured	0.01	0.03	0.02	0.02	0.02	0.13%	0.23%	0.32%	0.24%	0.23%
		Other	0.02	0.02	0.02	0.01	0.02	0.21%	0.19%	0.23%	0.10%	0.18%
	Other packaging	0.31	0.47	0.20	0.28	0.35	4.02%	3.90%	2.68%	2.85%	3.52%	
Other dense plastic	0.14	0.22	0.10	0.19	0.17	1.88%	1.80%	1.28%	1.90%	1.77%		
Dense Plastic	Sub-total	0.25	0.48	0.26	0.29	0.35	3.23%	3.94%	3.50%	2.94%	3.54%	
Plastic Film	Packaging film	0.32	0.25	0.18	0.24	0.26	3.73%	3.06%	2.90%	2.92%	3.17%	
	Other plastic film	0.19	0.38	0.26	0.26	0.29	2.56%	3.14%	3.55%	2.63%	2.98%	
Plastic Film	Sub-total	0.52	0.63	0.44	0.50	0.55	6.29%	6.20%	6.45%	5.55%	6.15%	
Textiles	Textiles	0.40	0.47	0.30	0.40	0.41	5.30%	3.86%	4.09%	4.04%	4.17%	
	Shoes	0.07	0.12	0.04	0.06	0.08	0.97%	0.97%	0.58%	0.60%	0.84%	
Textiles	Sub-total	0.48	0.58	0.35	0.46	0.49	6.27%	4.82%	4.67%	4.64%	5.01%	
Miscellaneous Combustibles	Treated wood	0.02	0.21	0.11	0.06	0.12	0.30%	1.70%	1.44%	0.64%	1.19%	
	Untreated wood	0.00	0.03	0.00	0.01	0.02	0.00%	0.27%	0.02%	0.14%	0.16%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.67	0.71	1.57	0.93	0.90	8.82%	5.89%	21.07%	9.40%	9.19%	
	Other misc. comb.	0.09	0.09	0.05	0.05	0.07	1.20%	0.74%	0.62%	0.52%	0.75%	
	Carpet and underlay	0.00	0.09	0.02	0.04	0.04	0.00%	0.72%	0.23%	0.38%	0.46%	
Miscellaneous Combustibles	Sub-total	0.78	1.13	1.74	1.10	1.15	10.32%	9.32%	23.38%	11.07%	11.76%	
Glass	Glass bottles	0.06	0.06	0.19	0.18	0.11	0.75%	0.52%	2.57%	1.78%	1.11%	
	Glass jars	0.14	0.25	0.12	0.15	0.18	1.85%	2.04%	1.60%	1.52%	1.83%	
	Other glass	0.00	0.02	0.05	0.06	0.03	0.05%	0.14%	0.63%	0.60%	0.29%	
Glass	Sub-total	0.20	0.33	0.36	0.39	0.32	2.65%	2.71%	4.80%	3.90%	3.24%	
Miscellaneous Non-combustibles	Construction and demolition	0.13	0.04	0.05	0.86	0.24	1.70%	0.36%	0.73%	8.71%	2.50%	
	Other misc.non.comb	0.05	0.11	0.08	0.06	0.08	0.60%	0.89%	1.01%	0.60%	0.79%	
Miscellaneous Non-combustibles	Sub-total	0.18	0.15	0.13	0.92	0.32	2.30%	1.25%	1.75%	9.31%	3.29%	
Ferrous Metal	Ferrous food cans	0.07	0.16	0.11	0.19	0.14	0.88%	1.35%	1.54%	1.91%	1.42%	
	Ferrous beverage cans	0.01	0.03	0.03	0.03	0.03	0.19%	0.22%	0.35%	0.35%	0.26%	
	Ferrous aerosols	0.03	0.01	0.01	0.02	0.02	0.42%	0.12%	0.12%	0.23%	0.20%	
	Other ferrous metal	0.25	0.11	0.04	0.02	0.11	3.26%	0.87%	0.52%	0.23%	1.08%	
Ferrous Metal	Sub-total	0.36	0.31	0.19	0.27	0.29	4.75%	2.57%	2.53%	2.72%	2.97%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.01	0.01	0.00	0.07%	0.02%	0.11%	0.05%	0.05%	
	Non-ferrous beverage cans	0.05	0.08	0.06	0.02	0.06	0.67%	0.70%	0.80%	0.18%	0.59%	
	Non-ferrous aerosols	0.01	0.01	0.01	0.01	0.01	0.17%	0.10%	0.14%	0.06%	0.11%	
	Other non-ferrous metal	0.08	0.07	0.04	0.06	0.06	0.99%	0.54%	0.57%	0.66%	0.65%	
Non-ferrous Metal	Sub-total	0.14	0.16	0.12	0.09	0.14	1.90%	1.36%	1.62%	0.94%	1.39%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.18	0.01	0.04	0.08	0.00%	1.45%	0.16%	0.45%	0.81%	
	IT & Telecoms Equip.	0.00	0.01	0.01	0.00	0.01	0.02%	0.08%	0.18%	0.00%	0.07%	
	Consumer Equip.	0.00	0.00	0.05	0.04	0.02	0.00%	0.04%	0.67%	0.44%	0.20%	
	Elec. & Electronic Tools	0.02	0.00	0.03	0.07	0.02	0.21%	0.00%	0.40%	0.67%	0.24%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.06%	0.03%	0.01%	
	Lighting	0.01	0.01	0.00	0.01	0.01	0.15%	0.11%	0.00%	0.05%	0.09%	
	Monitoring & Ctl. Inst.	0.00	0.01	0.00	0.00	0.00	0.00%	0.11%	0.00%	0.00%	0.05%	
	Other WEEE	0.06	0.04	0.04	0.02	0.04	0.83%	0.36%	0.60%	0.18%	0.43%	
WEEE	Sub-total	0.09	0.26	0.15	0.18	0.19	1.21%	2.14%	2.07%	1.83%	1.90%	
Hazardous	Household batteries	0.01	0.01	0.01	0.01	0.01	0.12%	0.10%	0.11%	0.09%	0.10%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.06	0.01	0.01	0.03	0.06%	0.48%	0.15%	0.13%	0.28%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.01	0.05	0.00	0.00	0.02	0.17%	0.43%	0.06%	0.04%	0.25%	
Hazardous	Sub-total	0.03	0.12	0.02	0.03	0.06	0.35%	1.01%	0.31%	0.26%	0.64%	
Organic Catering	Home Compostable food	0.86	1.25	0.67	1.12	1.03	11.25%	10.31%	9.03%	11.28%	10.52%	
	Unused home compostable food	0.45	0.60	0.20	0.36	0.44	5.89%	4.93%	2.71%	3.59%	4.50%	
	Non-home compostable food	0.83	1.17	0.78	1.10	1.01	10.88%	9.68%	10.52%	11.15%	10.32%	
	Unused non-home compostable food	0.49	0.59	0.23	0.64	0.52	6.42%	4.91%	3.12%	6.49%	5.28%	
	Organic Catering	Sub-total	2.62	3.61	1.89	3.22	3.01	34.44%	29.84%	25.37%	32.51%	30.61%
Organic Non-catering	Garden	0.14	0.52	0.02	0.13	0.26	1.88%	4.27%	0.28%	1.29%	2.67%	
	Soil	0.07	0.00	0.06	0.04	0.04	0.98%	0.00%	0.78%	0.42%	0.36%	
	Other organic	0.17	0.99	0.09	0.12	0.46	2.27%	8.15%	1.26%	1.26%	4.70%	
Organic Non-catering	Sub-total	0.39	1.50	0.17	0.29	0.76	5.12%	12.41%	2.32%	2.98%	7.73%	
Fines	Material less than 10mm	0.19	0.33	0.13	0.24	0.24	2.48%	2.72%	1.73%	2.47%	2.49%	
	Sub-total	0.19	0.33	0.13	0.24	0.24	2.48%	2.72%	1.73%	2.47%	2.49%	
TOTAL		7.61	12.11	7.45	9.89	9.82	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Garden Waste, March 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	WIR	1	3	4	5	WIR
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.27%	0.00%	0.03%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.32%	0.00%	0.03%
Paper	Sub-total	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.59%	0.00%	0.06%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.01	0.00	0.00	0.00	0.00	0.44%	0.00%	0.00%	0.14%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.01	0.00	0.00	0.00	0.00	0.44%	0.00%	0.00%	0.14%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.00%	0.02%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.00%	0.02%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.04%	0.00%	0.00%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.10%	0.07%	0.00%	0.06%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.10%	0.11%	0.00%	0.07%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.03	0.00	0.00	0.01	0.00%	1.59%	0.00%	0.00%	0.90%
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.03	0.00	0.00	0.01	0.00%	1.59%	0.00%	0.00%	0.90%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Garden	2.12	1.35	0.71	0.27	1.11	99.56%	64.76%	81.62%	90.66%	77.96%
	Soil	0.00	0.00	0.06	0.03	0.01	0.00%	0.00%	7.30%	9.34%	0.79%
	Other organic	0.00	0.70	0.09	0.00	0.28	0.00%	33.51%	10.38%	0.00%	20.06%
Organic Non-catering	Sub-total	2.12	2.05	0.86	0.30	1.40	99.56%	98.27%	99.30%	100.00%	98.80%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		2.13	2.08	0.87	0.30	1.42	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Garden Waste, June 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	WIR	1	3	4	5	WIR
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.16%	0.00%	0.00%	0.10%	0.04%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.29%	0.00%	0.03%
Paper	Sub-total	0.01	0.00	0.00	0.00	0.00	0.19%	0.00%	0.29%	0.10%	0.07%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Dense Plastic	Plastic Bottles: PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.04%	0.00%
	PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.00%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.04%	0.00%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.02%	0.00%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.05%	0.00%	0.00%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.05%	0.02%	0.00%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.01	0.00	0.00	0.00	0.08%	0.14%	0.19%	0.00%	0.13%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.01	0.00	0.00	0.00	0.08%	0.14%	0.19%	0.00%	0.13%
Organic Non-catering	Garden	2.92	4.60	1.19	0.78	2.62	99.72%	97.60%	95.39%	99.30%	97.92%
	Soil	0.00	0.01	0.00	0.00	0.01	0.00%	0.30%	0.00%	0.54%	0.20%
	Other organic	0.00	0.09	0.05	0.00	0.04	0.00%	1.96%	4.08%	0.00%	1.67%
Organic Non-catering	Sub-total	2.92	4.71	1.24	0.79	2.67	99.72%	99.86%	99.47%	99.84%	99.79%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL		2.93	4.72	1.24	0.79	2.67	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Garden Waste, Study Average											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	WIR	1	3	4	5	WIR
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.09%	0.11%	0.07%	0.03%	
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.30%	0.00%	0.03%
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00	0.11%	0.00%	0.41%	0.07%	0.07%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.19%	0.00%	0.00%	0.00%	0.05%
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Card	Sub-total	0.00	0.00	0.00	0.00	0.00	0.19%	0.00%	0.00%	0.00%	0.05%
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.03%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.01%	0.01%	0.00%	0.00%	0.01%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.02%	0.02%	0.00%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.03%	0.01%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.06%	0.00%	0.02%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.06%	0.03%	0.03%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.02	0.00	0.00	0.01	0.00%	0.49%	0.00%	0.00%	0.31%
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.02	0.00	0.00	0.01	0.00%	0.49%	0.00%	0.00%	0.31%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.05%	0.10%	0.11%	0.00%	0.09%
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.05%	0.10%	0.11%	0.00%	0.09%	
Organic Non-catering	Garden	2.52	2.98	0.95	0.53	1.86	99.65%	87.53%	99.72%	96.91%	91.00%
	Soil	0.00	0.01	0.03	0.02	0.01	0.00%	0.21%	3.00%	2.97%	0.41%
	Other organic	0.00	0.40	0.07	0.00	0.16	0.00%	11.63%	6.67%	0.00%	8.05%
Organic Non-catering	Sub-total	2.52	3.38	1.05	0.54	2.04	99.65%	99.37%	99.40%	99.89%	99.45%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		2.53	3.40	1.06	0.54	2.05	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Dry Recyclables, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	1.21	0.54	0.45	0.54	0.67	23.14%	17.30%	19.18%	18.43%	19.70%	
	Magazines	0.52	0.28	0.26	0.31	0.34	9.89%	9.05%	11.04%	10.56%	9.86%	
	Other recyclable paper	0.61	0.20	0.39	0.17	0.32	11.67%	6.42%	16.58%	5.80%	9.30%	
	Paper packaging	0.02	0.00	0.01	0.02	0.01	0.29%	0.00%	0.30%	0.54%	0.24%	
	Non-recyclable paper	0.01	0.15	0.02	0.05	0.07	0.12%	4.82%	0.85%	1.80%	2.19%	
Paper	Sub-total	2.36	1.17	1.13	1.09	1.41	45.12%	37.59%	47.96%	37.12%	41.29%	
Card	Liquid cartons	0.01	0.02	0.00	0.00	0.01	0.16%	0.51%	0.16%	0.07%	0.27%	
	Board packaging	0.18	0.22	0.08	0.15	0.17	3.41%	6.99%	3.39%	4.96%	4.97%	
	Card packaging	0.27	0.18	0.15	0.19	0.20	5.24%	5.85%	6.36%	6.59%	5.85%	
	Other card	0.04	0.01	0.00	0.02	0.02	0.84%	0.47%	0.00%	0.84%	0.61%	
Card	Sub-total	0.51	0.43	0.23	0.37	0.40	9.66%	13.82%	9.91%	12.46%	11.69%	
Dense Plastic	Plastic Bottles:	PET	0.08	0.10	0.04	0.09	0.08	1.54%	3.18%	1.76%	2.95%	2.41%
		PET Coloured	0.01	0.01	0.02	0.01	0.01	0.19%	0.37%	0.71%	0.37%	0.35%
		HDPE	0.07	0.09	0.06	0.07	0.08	1.38%	2.90%	2.38%	2.50%	2.25%
		HDPE Coloured	0.02	0.02	0.00	0.02	0.02	0.41%	0.78%	0.19%	0.63%	0.56%
		Other	0.00	0.00	0.00	0.00	0.00	0.02%	0.09%	0.13%	0.07%	0.07%
	Other packaging	0.05	0.05	0.02	0.04	0.04	1.03%	1.59%	0.90%	1.48%	1.30%	
Other dense plastic	0.07	0.03	0.00	0.08	0.05	1.36%	1.04%	0.13%	2.58%	1.33%		
Dense Plastic	Sub-total	0.31	0.31	0.15	0.31	0.28	5.92%	9.95%	6.19%	10.58%	8.26%	
Plastic Film	Packaging film	0.08	0.03	0.01	0.01	0.03	1.56%	0.96%	0.49%	0.47%	1.01%	
	Other plastic film	0.02	0.00	0.01	0.01	0.01	0.39%	0.16%	0.60%	0.37%	0.33%	
Plastic Film	Sub-total	0.10	0.03	0.03	0.02	0.05	1.94%	1.11%	1.09%	0.84%	1.34%	
Textiles	Textiles	0.02	0.00	0.00	0.00	0.01	0.40%	0.00%	0.18%	0.02%	0.16%	
	Shoes	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.23%	0.00%	0.03%	
Textiles	Sub-total	0.02	0.00	0.01	0.00	0.01	0.40%	0.00%	0.41%	0.02%	0.19%	
Miscellaneous Combustibles	Treated wood	0.14	0.00	0.00	0.02	0.03	2.75%	0.00%	0.00%	0.55%	1.02%	
	Untreated wood	0.03	0.00	0.01	0.00	0.01	0.52%	0.06%	0.42%	0.00%	0.25%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.01	0.00	0.00	0.00	0.00%	0.38%	0.00%	0.00%	0.13%	
	Other misc. comb.	0.00	0.05	0.00	0.00	0.02	0.00%	1.52%	0.00%	0.00%	0.54%	
	Carpet and underlay	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.44%	0.00%	0.05%	
Miscellaneous Combustibles	Sub-total	0.17	0.06	0.02	0.02	0.07	3.27%	1.96%	0.87%	0.55%	1.99%	
Glass	Glass bottles	1.06	0.60	0.50	0.71	0.71	20.26%	19.30%	21.31%	24.30%	20.82%	
	Glass jars	0.25	0.21	0.12	0.20	0.20	4.76%	6.75%	5.18%	6.79%	5.90%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.11%	0.02%	
Glass	Sub-total	1.31	0.81	0.63	0.91	0.91	25.02%	26.05%	26.49%	31.19%	26.74%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.01	0.01	0.00	0.00	0.01	0.17%	0.32%	0.00%	0.04%	0.18%	
Miscellaneous Non-combustibles	Sub-total	0.01	0.01	0.00	0.00	0.01	0.17%	0.32%	0.00%	0.04%	0.18%	
Ferrous Metal	Ferrous food cans	0.17	0.11	0.07	0.12	0.12	3.16%	3.48%	2.98%	3.99%	3.41%	
	Ferrous beverage cans	0.03	0.02	0.01	0.02	0.02	0.63%	0.69%	0.53%	0.51%	0.62%	
	Ferrous aerosols	0.00	0.01	0.00	0.00	0.00	0.07%	0.28%	0.17%	0.00%	0.14%	
	Other ferrous metal	0.00	0.00	0.00	0.03	0.01	0.04%	0.00%	0.09%	1.02%	0.22%	
Ferrous Metal	Sub-total	0.20	0.14	0.09	0.16	0.15	3.90%	4.45%	3.77%	5.52%	4.39%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.00	0.00	0.14%	0.00%	0.02%	0.00%	0.05%	
	Non-ferrous beverage cans	0.03	0.01	0.02	0.02	0.02	0.66%	0.45%	0.74%	0.84%	0.63%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.08%	0.00%	0.13%	0.02%	0.05%	
	Other non-ferrous metal	0.01	0.00	0.00	0.00	0.00	0.13%	0.03%	0.06%	0.09%	0.08%	
Non-ferrous Metal	Sub-total	0.05	0.02	0.02	0.03	0.03	1.01%	0.48%	0.94%	0.96%	0.81%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.03	0.00	0.00	0.01	0.00%	0.81%	0.00%	0.00%	0.28%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.05	0.00	0.00	0.02	0.01%	1.74%	0.00%	0.00%	0.62%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.09%	0.00%	0.01%	
WEEE	Sub-total	0.00	0.08	0.00	0.00	0.03	0.01%	2.54%	0.09%	0.00%	0.91%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.01%	0.02%	0.00%	0.00%	0.01%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.06%	0.01%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.01%	0.02%	0.00%	0.06%	0.02%	
Organic Catering	Home Compostable food	0.10	0.03	0.02	0.00	0.04	1.95%	0.96%	0.83%	0.02%	1.10%	
	Unused home compostable food	0.01	0.00	0.00	0.00	0.00	0.20%	0.00%	0.17%	0.14%	0.11%	
	Non-home compostable food	0.01	0.02	0.00	0.02	0.01	0.14%	0.73%	0.11%	0.51%	0.42%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.12	0.05	0.03	0.02	0.06	2.29%	1.69%	1.10%	0.67%	1.63%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Fines	Material less than 10mm	0.07	0.00	0.03	0.00	0.02	1.28%	0.00%	1.18%	0.00%	0.57%	
Fines	Sub-total	0.07	0.00	0.03	0.00	0.02	1.28%	0.00%	1.18%	0.00%	0.57%	
TOTAL		5.23	3.12	2.36	2.93	3.41	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Dry Recyclables, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	1.71	0.74	0.41	0.55	0.85	35.70%	17.52%	29.09%	12.12%	21.70%	
	Magazines	0.52	0.60	0.20	0.20	0.42	10.84%	14.19%	14.12%	4.49%	10.80%	
	Other recyclable paper	0.33	0.14	0.04	0.47	0.24	6.88%	3.37%	2.52%	10.25%	6.02%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.06	0.08	0.05	0.12	0.08	1.34%	1.86%	3.82%	2.58%	2.03%	
Paper	Sub-total	2.62	1.56	0.70	1.34	1.59	54.77%	36.94%	49.56%	29.44%	40.55%	
Card	Liquid cartons	0.01	0.02	0.01	0.01	0.01	0.11%	0.58%	0.36%	0.32%	0.38%	
	Board packaging	0.22	0.26	0.04	0.22	0.21	4.68%	6.27%	2.92%	4.84%	5.27%	
	Card packaging	0.24	0.36	0.06	0.41	0.29	4.99%	8.47%	4.53%	8.99%	7.43%	
	Other card	0.05	0.08	0.00	0.03	0.05	1.02%	1.83%	0.07%	0.60%	1.19%	
Card	Sub-total	0.52	0.72	0.11	0.67	0.56	10.80%	17.16%	7.88%	14.75%	14.26%	
Dense Plastic	Plastic Bottles:	PET	0.08	0.14	0.04	0.17	0.12	1.63%	3.29%	2.73%	3.80%	2.95%
		PET Coloured	0.01	0.02	0.00	0.05	0.02	0.24%	0.41%	0.34%	1.17%	0.55%
		HDPE	0.10	0.08	0.02	0.13	0.08	2.09%	1.84%	1.47%	2.89%	2.15%
		HDPE Coloured	0.03	0.05	0.01	0.01	0.03	0.67%	1.08%	0.72%	0.24%	0.73%
		Other	0.00	0.00	0.00	0.01	0.00	0.07%	0.06%	0.16%	0.14%	0.09%
	Other packaging	0.02	0.06	0.01	0.08	0.05	0.49%	1.44%	0.92%	1.84%	1.26%	
Other dense plastic	0.00	0.04	0.01	0.03	0.02	0.05%	0.91%	1.04%	0.56%	0.60%		
Dense Plastic	Sub-total	0.25	0.38	0.10	0.49	0.33	5.24%	9.03%	7.38%	10.63%	8.33%	
Plastic Film	Packaging film	0.00	0.01	0.01	0.02	0.01	0.02%	0.35%	0.79%	0.50%	0.33%	
	Other plastic film	0.00	0.02	0.01	0.03	0.02	0.05%	0.51%	0.39%	0.60%	0.40%	
Plastic Film	Sub-total	0.00	0.04	0.02	0.05	0.03	0.07%	0.86%	1.18%	1.10%	0.73%	
Textiles	Textiles	0.00	0.03	0.03	0.00	0.02	0.00%	0.65%	2.00%	0.06%	0.41%	
	Shoes	0.00	0.03	0.00	0.00	0.01	0.00%	0.82%	0.00%	0.00%	0.34%	
Textiles	Sub-total	0.00	0.06	0.03	0.00	0.03	0.00%	1.47%	2.00%	0.06%	0.75%	
Miscellaneous Combustibles	Treated wood	0.00	0.09	0.03	0.00	0.04	0.00%	2.19%	2.29%	0.00%	1.05%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.16%	0.00%	0.01%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.02	0.01	0.01	0.01	0.00%	0.43%	0.57%	0.28%	0.29%	
	Other misc. comb.	0.00	0.01	0.00	0.00	0.00	0.00%	0.15%	0.00%	0.00%	0.06%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.12	0.04	0.01	0.06	0.00%	2.78%	3.02%	0.28%	1.41%	
Glass	Glass bottles	0.77	0.85	0.24	1.44	0.86	16.08%	20.19%	17.25%	31.52%	21.82%	
	Glass jars	0.31	0.14	0.05	0.15	0.16	6.57%	3.20%	3.73%	3.27%	4.15%	
	Other glass	0.02	0.00	0.01	0.00	0.00	0.32%	0.00%	0.53%	0.00%	0.12%	
Glass	Sub-total	1.10	0.99	0.30	1.59	1.02	22.97%	23.39%	21.51%	34.79%	26.09%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.01	0.00	0.00	0.00	0.00%	0.19%	0.00%	0.00%	0.08%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.01	0.00	0.00	0.00	0.00%	0.19%	0.00%	0.00%	0.08%	
Ferrous Metal	Ferrous food cans	0.18	0.10	0.03	0.25	0.14	3.78%	2.29%	2.17%	5.48%	3.50%	
	Ferrous beverage cans	0.02	0.04	0.01	0.04	0.03	0.34%	0.87%	0.44%	0.96%	0.72%	
	Ferrous aerosols	0.00	0.01	0.00	0.00	0.00	0.05%	0.18%	0.25%	0.06%	0.12%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.13%	0.04%	0.02%	
Ferrous Metal	Sub-total	0.20	0.14	0.04	0.30	0.17	4.18%	3.34%	2.98%	6.54%	4.36%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.10%	0.02%	0.00%	0.10%	0.06%	
	Non-ferrous beverage cans	0.07	0.04	0.02	0.06	0.05	1.49%	0.97%	1.17%	1.32%	1.21%	
	Non-ferrous aerosols	0.02	0.00	0.00	0.00	0.00	0.35%	0.02%	0.23%	0.03%	0.12%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.03%	0.07%	0.18%	0.03%	0.06%	
Non-ferrous Metal	Sub-total	0.09	0.05	0.02	0.07	0.06	1.98%	1.08%	1.58%	1.47%	1.45%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.19%	0.05%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.00%	0.01%	
	Lighting	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.54%	0.00%	0.03%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.01	0.01	0.00	0.00%	0.02%	0.54%	0.19%	0.09%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.07%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.01	0.00	0.00	0.00	0.00%	0.18%	0.00%	0.00%	0.07%	
Hazardous	Sub-total	0.00	0.01	0.00	0.00	0.00	0.00%	0.18%	0.07%	0.00%	0.08%	
Organic Catering	Home Compostable food	0.00	0.04	0.00	0.01	0.02	0.00%	0.92%	0.08%	0.18%	0.43%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.06	0.01	0.02	0.03	0.00%	1.43%	1.05%	0.37%	0.75%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.10	0.02	0.03	0.05	0.00%	2.34%	1.14%	0.55%	1.18%	
Organic Non-catering	Garden	0.00	0.01	0.00	0.00	0.00	0.00%	0.27%	0.00%	0.00%	0.11%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.53%	0.00%	0.03%	
Organic Non-catering	Sub-total	0.00	0.01	0.01	0.00	0.01	0.00%	0.27%	0.53%	0.00%	0.14%	
Fines	Material less than 10mm	0.00	0.04	0.01	0.01	0.02	0.00%	0.95%	0.64%	0.19%	0.48%	
Fines	Sub-total	0.00	0.04	0.01	0.01	0.02	0.00%	0.95%	0.64%	0.19%	0.48%	
TOTAL		4.79	4.22	1.41	4.57	3.93	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Dry Recyclables, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	1.46	0.64	0.43	0.55	0.76	29.14%	17.42%	22.89%	14.59%	20.77%	
	Magazines	0.52	0.44	0.23	0.26	0.38	10.35%	12.01%	12.19%	6.86%	10.37%	
	Other recyclable paper	0.47	0.17	0.21	0.32	0.28	9.38%	4.67%	11.32%	8.51%	7.54%	
	Paper packaging	0.01	0.00	0.00	0.01	0.00	0.15%	0.00%	0.19%	0.21%	0.11%	
	Non-recyclable paper	0.04	0.11	0.04	0.09	0.08	0.71%	3.12%	1.97%	2.27%	2.10%	
Paper	Sub-total	2.49	1.37	0.92	1.22	1.50	49.73%	37.22%	48.56%	32.44%	40.89%	
Card	Liquid cartons	0.01	0.02	0.00	0.01	0.01	0.14%	0.55%	0.24%	0.22%	0.33%	
	Board packaging	0.20	0.24	0.06	0.18	0.19	4.02%	6.58%	3.21%	4.89%	5.13%	
	Card packaging	0.26	0.27	0.11	0.30	0.25	5.12%	7.36%	5.68%	8.05%	6.70%	
	Other card	0.05	0.05	0.00	0.03	0.03	0.93%	1.26%	0.02%	0.70%	0.92%	
Card	Sub-total	0.51	0.58	0.17	0.52	0.48	10.21%	15.74%	9.15%	13.85%	13.07%	
Dense Plastic	Plastic Bottles:	PET	0.08	0.12	0.04	0.13	0.10	1.58%	3.24%	2.12%	3.47%	2.70%
		PET Coloured	0.01	0.01	0.01	0.03	0.02	0.21%	0.39%	0.57%	0.86%	0.46%
		HDPE	0.09	0.08	0.04	0.10	0.08	1.72%	2.29%	2.04%	2.74%	2.20%
		HDPE Coloured	0.03	0.04	0.01	0.01	0.02	0.53%	0.95%	0.39%	0.39%	0.65%
		Other	0.00	0.00	0.00	0.00	0.00	0.04%	0.07%	0.14%	0.11%	0.08%
	Other packaging	0.04	0.06	0.02	0.06	0.05	0.78%	1.50%	0.91%	1.70%	1.28%	
Other dense plastic	0.04	0.04	0.01	0.05	0.03	0.73%	0.96%	0.47%	1.35%	0.94%		
Dense Plastic	Sub-total	0.04	0.02	0.01	0.02	0.02	0.82%	0.61%	0.60%	0.49%	0.64%	
Plastic Film	Packaging film	0.01	0.01	0.01	0.00	0.01	0.24%	0.12%	0.24%	0.29%	0.20%	
	Other plastic film	0.01	0.01	0.01	0.02	0.01	0.23%	0.36%	0.52%	0.51%	0.37%	
Plastic Film	Sub-total	0.02	0.02	0.02	0.02	0.02	0.46%	0.48%	0.76%	0.80%	0.57%	
Textiles	Textiles	0.01	0.01	0.02	0.00	0.01	0.21%	0.37%	0.86%	0.05%	0.29%	
	Shoes	0.00	0.02	0.00	0.00	0.01	0.00%	0.47%	0.14%	0.00%	0.20%	
Textiles	Sub-total	0.01	0.03	0.02	0.00	0.02	0.21%	0.84%	1.00%	0.05%	0.49%	
Miscellaneous Combustibles	Treated wood	0.07	0.05	0.02	0.01	0.04	1.44%	1.26%	0.86%	0.22%	1.04%	
	Untreated wood	0.01	0.00	0.01	0.00	0.00	0.27%	0.03%	0.33%	0.00%	0.12%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.01	0.00	0.01	0.01	0.00%	0.41%	0.21%	0.17%	0.21%	
	Other misc. comb.	0.00	0.03	0.00	0.00	0.01	0.00%	0.73%	0.00%	0.00%	0.28%	
	Carpet and underlay	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.28%	0.00%	0.03%	
Miscellaneous Combustibles	Sub-total	0.09	0.09	0.03	0.01	0.06	1.71%	2.43%	1.67%	0.39%	1.68%	
Glass	Glass bottles	0.91	0.73	0.37	1.08	0.78	18.26%	19.81%	19.79%	28.70%	21.36%	
	Glass jars	0.28	0.17	0.09	0.17	0.18	5.63%	4.71%	4.63%	4.65%	4.96%	
	Other glass	0.01	0.00	0.00	0.00	0.00	0.15%	0.00%	0.20%	0.04%	0.07%	
Glass	Sub-total	1.20	0.90	0.46	1.25	0.97	24.04%	24.52%	24.63%	33.38%	26.39%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.11%	0.00%	0.00%	0.04%	
	Other misc.non.comb	0.00	0.01	0.00	0.00	0.00	0.09%	0.14%	0.00%	0.02%	0.08%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.01	0.00	0.00	0.00	0.09%	0.25%	0.00%	0.02%	0.13%	
Ferrous Metal	Ferrous food cans	0.17	0.10	0.05	0.18	0.13	3.45%	2.80%	2.68%	4.90%	3.46%	
	Ferrous beverage cans	0.02	0.03	0.01	0.03	0.02	0.49%	0.79%	0.50%	0.79%	0.67%	
	Ferrous aerosols	0.00	0.01	0.00	0.00	0.00	0.06%	0.22%	0.20%	0.04%	0.13%	
	Other ferrous metal	0.00	0.00	0.00	0.02	0.00	0.02%	0.00%	0.10%	0.42%	0.11%	
Ferrous Metal	Sub-total	0.20	0.14	0.07	0.23	0.16	4.03%	3.81%	3.47%	6.14%	4.37%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.00	0.00	0.12%	0.01%	0.01%	0.06%	0.06%	
	Non-ferrous beverage cans	0.05	0.03	0.02	0.04	0.03	1.06%	0.75%	0.90%	1.13%	0.94%	
	Non-ferrous aerosols	0.01	0.00	0.00	0.00	0.00	0.21%	0.01%	0.16%	0.03%	0.09%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.08%	0.05%	0.10%	0.05%	0.07%	
Non-ferrous Metal	Sub-total	0.07	0.03	0.02	0.05	0.04	1.47%	0.83%	1.18%	1.27%	1.15%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.01	0.00	0.00	0.00	0.00%	0.34%	0.00%	0.00%	0.13%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.12%	0.03%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.01%	
	Lighting	0.00	0.03	0.00	0.00	0.01	0.01%	0.74%	0.20%	0.00%	0.30%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.05%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.04	0.00	0.00	0.02	0.01%	1.10%	0.26%	0.12%	0.47%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.02%	0.00%	0.01%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.02%	0.01%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.10%	0.00%	0.00%	0.04%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.11%	0.02%	0.02%	0.05%	
Organic Catering	Home Compostable food	0.05	0.03	0.01	0.00	0.03	1.02%	0.93%	0.55%	0.11%	0.74%	
	Unused home compostable food	0.01	0.00	0.00	0.00	0.00	0.11%	0.00%	0.10%	0.05%	0.05%	
	Non-home compostable food	0.00	0.04	0.01	0.02	0.02	0.07%	1.13%	0.46%	0.43%	0.60%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.06	0.08	0.02	0.02	0.05	1.20%	2.07%	1.11%	0.59%	1.39%	
Organic Non-catering	Garden	0.00	0.01	0.00	0.00	0.00	0.00%	0.15%	0.00%	0.00%	0.06%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.20%	0.00%	0.02%	
Organic Non-catering	Sub-total	0.00	0.01	0.00	0.00	0.00	0.00%	0.15%	0.20%	0.00%	0.08%	
Fines	Material less than 10mm	0.03	0.02	0.02	0.00	0.02	0.67%	0.54%	0.98%	0.12%	0.52%	
	Sub-total	0.03	0.02	0.02	0.00	0.02	0.67%	0.54%	0.98%	0.12%	0.52%	
TOTAL		5.01	3.67	1.89	3.75	3.67	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Combined Kerbside Waste Streams, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	1.40	0.77	0.62	0.80	0.89	9.03%	4.05%	6.02%	5.53%	5.68%	
	Magazines	0.57	0.39	0.40	0.45	0.45	3.69%	2.08%	3.85%	3.08%	2.85%	
	Other recyclable paper	0.85	0.51	0.48	0.58	0.59	5.46%	2.72%	4.67%	3.97%	3.81%	
	Paper packaging	0.02	0.01	0.05	0.04	0.03	0.12%	0.07%	0.52%	0.24%	0.17%	
	Non-recyclable paper	0.44	0.83	0.35	0.26	0.54	2.85%	4.39%	3.36%	1.81%	3.43%	
Paper	Sub-total	3.28	2.52	1.91	2.13	2.49	21.15%	13.32%	18.42%	14.63%	15.93%	
Card	Liquid cartons	0.04	0.04	0.01	0.02	0.03	0.26%	0.22%	0.11%	0.16%	0.20%	
	Board packaging	0.23	0.25	0.11	0.22	0.21	1.47%	1.30%	1.10%	1.52%	1.36%	
	Card packaging	0.46	0.56	0.28	0.47	0.47	2.95%	2.94%	2.73%	3.25%	2.99%	
	Other card	0.04	0.05	0.01	0.02	0.04	0.28%	0.26%	0.11%	0.17%	0.23%	
Card	Sub-total	0.77	0.89	0.42	0.74	0.75	4.96%	4.72%	4.04%	5.09%	4.79%	
Dense Plastic	Plastic Bottles:	PET	0.10	0.16	0.08	0.17	0.14	0.67%	0.86%	0.79%	1.19%	0.88%
		PET Coloured	0.03	0.07	0.02	0.02	0.04	0.21%	0.35%	0.19%	0.15%	0.26%
		HDPE	0.08	0.14	0.08	0.10	0.11	0.55%	0.75%	0.76%	0.69%	0.70%
		HDPE Coloured	0.03	0.04	0.03	0.06	0.04	0.21%	0.24%	0.29%	0.39%	0.27%
		Other	0.02	0.03	0.01	0.02	0.02	0.13%	0.17%	0.12%	0.11%	0.14%
	Other packaging	0.34	0.46	0.19	0.34	0.36	2.16%	2.43%	1.78%	2.36%	2.29%	
Other dense plastic	0.18	0.23	0.12	0.36	0.23	1.17%	1.22%	1.11%	2.47%	1.46%		
Dense Plastic	Sub-total	0.79	1.14	0.52	1.07	0.94	5.10%	6.02%	5.03%	7.36%	6.01%	
Plastic Film	Packaging film	0.33	0.51	0.26	0.41	0.40	2.15%	2.68%	2.54%	2.79%	2.59%	
	Other plastic film	0.23	0.43	0.30	0.24	0.32	1.51%	2.26%	2.86%	1.65%	2.05%	
Plastic Film	Sub-total	0.57	0.93	0.56	0.65	0.72	3.66%	4.94%	5.40%	4.44%	4.63%	
Textiles	Textiles	0.63	0.41	0.41	0.60	0.50	4.03%	2.20%	3.95%	4.11%	3.20%	
	Shoes	0.08	0.20	0.06	0.08	0.12	0.54%	1.04%	0.54%	0.53%	0.77%	
Textiles	Sub-total	0.71	0.61	0.46	0.67	0.62	4.57%	3.24%	4.49%	4.64%	3.97%	
Miscellaneous Combustibles	Treated wood	0.17	0.22	0.12	0.07	0.16	1.08%	1.15%	1.14%	0.51%	1.01%	
	Untreated wood	0.03	0.00	0.01	0.01	0.01	0.18%	0.01%	0.13%	0.05%	0.07%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.48	0.94	1.55	1.16	1.00	3.12%	5.00%	15.02%	7.98%	6.40%	
	Other misc. comb.	0.03	0.16	0.06	0.08	0.10	0.16%	0.86%	0.56%	0.55%	0.62%	
	Carpet and underlay	0.00	0.04	0.05	0.08	0.04	0.00%	0.19%	0.44%	0.52%	0.25%	
Miscellaneous Combustibles	Sub-total	0.70	1.36	1.79	1.40	1.30	4.53%	7.22%	17.29%	9.61%	8.33%	
Glass	Glass bottles	1.16	0.65	0.70	0.86	0.81	7.45%	3.42%	6.73%	5.92%	5.21%	
	Glass jars	0.43	0.47	0.18	0.36	0.39	2.78%	2.49%	1.71%	2.44%	2.46%	
	Other glass	0.00	0.03	0.01	0.10	0.04	0.03%	0.18%	0.05%	0.66%	0.23%	
Glass	Sub-total	1.59	1.15	0.88	1.31	1.24	10.26%	6.10%	8.50%	9.02%	7.91%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.03	0.11	1.63	0.39	0.02%	0.14%	1.05%	11.22%	2.50%	
	Other misc.non.comb	0.10	0.13	0.01	0.09	0.09	0.64%	0.69%	0.11%	0.59%	0.60%	
Miscellaneous Non-combustibles	Sub-total	0.10	0.16	0.12	1.72	0.48	0.66%	0.83%	1.16%	11.82%	3.10%	
Ferrous Metal	Ferrous food cans	0.25	0.28	0.17	0.37	0.28	1.63%	1.51%	1.60%	2.55%	1.76%	
	Ferrous beverage cans	0.04	0.05	0.02	0.02	0.04	0.26%	0.28%	0.24%	0.10%	0.23%	
	Ferrous aerosols	0.05	0.02	0.02	0.03	0.03	0.33%	0.08%	0.16%	0.20%	0.17%	
	Other ferrous metal	0.28	0.11	0.01	0.06	0.12	1.82%	0.57%	0.13%	0.43%	0.76%	
Ferrous Metal	Sub-total	0.62	0.46	0.22	0.48	0.46	4.03%	2.45%	2.13%	3.28%	2.93%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.01	0.01	0.01	0.05%	0.02%	0.06%	0.04%	0.04%	
	Non-ferrous beverage cans	0.04	0.09	0.03	0.03	0.05	0.23%	0.46%	0.33%	0.20%	0.34%	
	Non-ferrous aerosols	0.02	0.01	0.01	0.00	0.01	0.16%	0.06%	0.10%	0.00%	0.07%	
	Other non-ferrous metal	0.11	0.10	0.02	0.05	0.07	0.69%	0.51%	0.22%	0.32%	0.48%	
Non-ferrous Metal	Sub-total	0.18	0.20	0.07	0.08	0.15	1.13%	1.05%	0.71%	0.56%	0.93%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.22	0.02	0.00	0.09	0.00%	1.19%	0.23%	0.00%	0.58%	
	IT & Telecoms Equip.	0.00	0.02	0.03	0.00	0.01	0.00%	0.09%	0.26%	0.00%	0.07%	
	Consumer Equip.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.06%	0.00%	0.01%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.09%	0.00%	0.01%	
	Lighting	0.00	0.05	0.00	0.00	0.02	0.00%	0.29%	0.00%	0.00%	0.13%	
	Monitoring & Ctl. Inst.	0.00	0.03	0.00	0.00	0.01	0.00%	0.14%	0.00%	0.00%	0.06%	
	Other WEEE	0.10	0.07	0.09	0.01	0.07	0.63%	0.37%	0.86%	0.09%	0.43%	
WEEE	Sub-total	0.10	0.39	0.15	0.01	0.20	0.63%	2.08%	1.49%	0.09%	1.30%	
Hazardous	Household batteries	0.00	0.01	0.01	0.01	0.01	0.01%	0.07%	0.10%	0.05%	0.06%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.11	0.02	0.03	0.05	0.02%	0.58%	0.21%	0.18%	0.34%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.02	0.06	0.01	0.00	0.03	0.12%	0.33%	0.08%	0.00%	0.19%	
Hazardous	Sub-total	0.02	0.19	0.04	0.03	0.09	0.15%	0.99%	0.39%	0.24%	0.59%	
Organic Catering	Home Compostable food	1.17	1.59	0.61	1.19	1.24	7.52%	8.43%	5.94%	8.17%	7.92%	
	Unused home compostable food	0.61	0.81	0.06	0.41	0.55	3.93%	4.28%	0.62%	2.79%	3.49%	
	Non-home compostable food	1.27	1.74	0.98	1.24	1.40	8.18%	9.23%	9.48%	8.56%	8.94%	
	Unused non-home compostable food	0.31	0.42	0.14	0.42	0.35	1.98%	2.23%	1.32%	2.92%	2.22%	
Organic Catering	Sub-total	3.35	4.57	1.79	3.26	3.53	21.62%	24.17%	17.35%	22.43%	22.57%	
Organic Non-catering	Garden	2.18	1.69	0.72	0.30	1.26	14.03%	8.96%	6.92%	2.08%	8.06%	
	Soil	0.15	0.00	0.17	0.11	0.08	0.96%	0.00%	1.61%	0.77%	0.51%	
	Other organic	0.07	2.23	0.27	0.20	0.96	0.45%	11.79%	2.58%	1.39%	6.17%	
Organic Non-catering	Sub-total	2.39	3.92	1.15	0.62	2.30	15.44%	20.75%	11.11%	4.25%	14.74%	
Fines	Material less than 10mm	0.33	0.40	0.26	0.37	0.35	2.10%	2.13%	2.50%	2.54%	2.26%	
	Fines	Sub-total	0.33	0.40	0.26	0.37	0.35	2.10%	2.13%	2.50%	2.54%	2.26%
TOTAL		15.51	18.89	10.35	14.54	15.62	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Combined Kerbside Waste Streams, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	1.82	1.01	0.65	0.84	1.08	12.28%	5.17%	6.22%	6.07%	7.01%	
	Magazines	0.68	0.67	0.41	0.31	0.55	4.57%	3.45%	3.91%	2.26%	3.54%	
	Other recyclable paper	0.44	0.28	0.28	0.75	0.42	2.98%	1.44%	2.72%	5.42%	2.72%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.59	0.92	0.38	0.46	0.65	4.00%	4.75%	3.61%	3.35%	4.24%	
Paper	Sub-total	3.52	2.88	1.72	2.36	2.70	23.82%	14.81%	16.46%	17.10%	17.51%	
Card	Liquid cartons	0.02	0.05	0.02	0.03	0.03	0.13%	0.27%	0.15%	0.22%	0.22%	
	Board packaging	0.29	0.38	0.22	0.52	0.36	1.98%	1.97%	2.06%	3.74%	2.36%	
	Card packaging	0.40	0.70	0.37	0.57	0.55	2.70%	3.58%	3.50%	4.10%	3.53%	
	Other card	0.08	0.12	0.01	0.03	0.07	0.51%	0.61%	0.06%	0.23%	0.46%	
Card	Sub-total	0.79	1.25	0.60	1.15	1.01	5.32%	6.43%	5.77%	8.29%	6.56%	
Dense Plastic	Plastic Bottles:	PET	0.09	0.26	0.10	0.29	0.20	0.63%	1.34%	0.97%	2.08%	1.31%
		PET Coloured	0.02	0.03	0.03	0.09	0.04	0.13%	0.16%	0.26%	0.62%	0.26%
		HDPE	0.14	0.15	0.08	0.26	0.16	0.96%	0.77%	0.74%	1.89%	1.03%
		HDPE Coloured	0.04	0.08	0.03	0.02	0.05	0.28%	0.41%	0.31%	0.14%	0.32%
	Other	0.02	0.02	0.03	0.01	0.02	0.11%	0.10%	0.26%	0.09%	0.12%	
	Other packaging	0.35	0.59	0.25	0.35	0.43	2.40%	3.05%	2.39%	2.51%	2.76%	
Other dense plastic	0.18	0.28	0.09	0.12	0.19	1.21%	1.43%	0.89%	0.85%	1.22%		
Dense Plastic	Sub-total	0.84	1.41	0.61	1.13	1.09	5.71%	7.26%	5.83%	8.19%	7.03%	
Plastic Film	Packaging film	0.24	0.49	0.28	0.21	0.34	1.62%	2.53%	2.70%	1.53%	2.19%	
	Other plastic film	0.18	0.36	0.25	0.32	0.29	1.20%	1.86%	2.43%	2.31%	1.90%	
Plastic Film	Sub-total	0.42	0.86	0.54	0.53	0.63	2.82%	4.39%	5.13%	3.84%	4.09%	
Textiles	Textiles	0.20	0.55	0.23	0.21	0.34	1.37%	2.80%	2.23%	1.48%	2.21%	
	Shoes	0.06	0.07	0.04	0.04	0.06	0.43%	0.37%	0.35%	0.30%	0.37%	
Textiles	Sub-total	0.27	0.62	0.27	0.25	0.40	1.80%	3.18%	2.58%	1.78%	2.58%	
Miscellaneous Combustibles	Treated wood	0.02	0.32	0.13	0.07	0.17	0.15%	1.64%	1.24%	0.49%	1.07%	
	Untreated wood	0.00	0.07	0.00	0.02	0.03	0.00%	0.34%	0.02%	0.15%	0.20%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.86	0.51	1.59	0.71	0.82	5.80%	2.63%	15.25%	5.14%	5.32%	
	Other misc. comb.	0.16	0.07	0.03	0.02	0.07	1.07%	0.36%	0.33%	0.17%	0.47%	
	Carpet and underlay	0.00	0.14	0.00	0.00	0.05	0.00%	0.71%	0.00%	0.00%	0.34%	
Miscellaneous Combustibles	Sub-total	1.04	1.11	1.76	0.82	1.14	7.02%	5.68%	16.83%	5.95%	7.40%	
Glass	Glass bottles	0.79	0.93	0.43	1.64	0.97	5.33%	4.80%	4.16%	11.87%	6.29%	
	Glass jars	0.41	0.37	0.24	0.29	0.34	2.79%	1.90%	2.27%	2.13%	2.20%	
	Other glass	0.02	0.00	0.10	0.03	0.03	0.12%	0.00%	0.91%	0.19%	0.17%	
Glass	Sub-total	1.22	1.30	0.77	1.96	1.34	8.24%	6.70%	7.34%	14.19%	8.65%	
Miscellaneous Non-combustibles	Construction and demolition	0.28	0.07	0.00	0.09	0.10	1.73%	0.35%	0.00%	0.66%	0.66%	
	Other misc.non.comb	0.00	0.09	0.14	0.03	0.07	0.01%	0.49%	1.34%	0.24%	0.45%	
Miscellaneous Non-combustibles	Sub-total	0.28	0.16	0.14	0.12	0.17	1.73%	0.84%	1.34%	0.90%	1.11%	
Ferrous Metal	Ferrous food cans	0.23	0.25	0.17	0.38	0.28	1.54%	1.28%	1.59%	2.71%	1.67%	
	Ferrous beverage cans	0.04	0.06	0.05	0.11	0.06	0.26%	0.31%	0.44%	0.82%	0.42%	
	Ferrous aerosols	0.02	0.03	0.01	0.02	0.02	0.13%	0.15%	0.08%	0.13%	0.13%	
	Other ferrous metal	0.22	0.10	0.07	0.02	0.10	1.46%	0.53%	0.64%	0.11%	0.66%	
Ferrous Metal	Sub-total	0.50	0.44	0.29	0.52	0.44	3.39%	2.26%	2.76%	3.77%	2.88%	
Non-ferrous Metal	Non-ferrous food cans	0.02	0.00	0.01	0.01	0.01	0.11%	0.00%	0.10%	0.06%	0.05%	
	Non-ferrous beverage cans	0.17	0.14	0.12	0.09	0.13	1.16%	0.71%	1.14%	0.67%	0.85%	
	Non-ferrous aerosols	0.02	0.01	0.02	0.01	0.02	0.15%	0.07%	0.16%	0.09%	0.10%	
	Other non-ferrous metal	0.05	0.04	0.07	0.09	0.06	0.35%	0.20%	0.63%	0.63%	0.37%	
Non-ferrous Metal	Sub-total	0.26	0.19	0.21	0.20	0.21	1.77%	0.98%	2.04%	1.45%	1.38%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.15	0.00	0.09	0.08	0.00%	0.79%	0.00%	0.65%	0.51%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.02%	0.01%	0.00%	0.00%	0.01%	
	Consumer Equip.	0.00	0.01	0.09	0.09	0.04	0.00%	0.04%	0.90%	0.63%	0.25%	
	Elec. & Electronic Tools	0.03	0.00	0.06	0.14	0.05	0.22%	0.00%	0.57%	1.03%	0.32%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.01	0.00	0.00%	0.01%	0.00%	0.04%	0.01%	
	Lighting	0.02	0.03	0.01	0.01	0.02	0.15%	0.13%	0.07%	0.07%	0.12%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.03	0.02	0.00	0.02	0.02	0.20%	0.08%	0.03%	0.16%	0.12%	
WEEE	Sub-total	0.09	0.21	0.16	0.36	0.21	0.59%	1.06%	1.57%	2.58%	1.34%	
Hazardous	Household batteries	0.02	0.01	0.01	0.01	0.01	0.12%	0.06%	0.06%	0.07%	0.07%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.00	0.00	0.00	0.04%	0.03%	0.00%	0.00%	0.02%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.01	0.05	0.00	0.01	0.02	0.04%	0.25%	0.00%	0.06%	0.14%	
Hazardous	Sub-total	0.03	0.07	0.01	0.02	0.04	0.20%	0.34%	0.06%	0.13%	0.24%	
Organic Catering	Home Compostable food	0.65	0.98	0.75	1.05	0.88	4.40%	5.04%	7.22%	7.61%	5.73%	
	Unused home compostable food	0.30	0.38	0.34	0.31	0.34	2.01%	1.98%	3.29%	2.24%	2.21%	
	Non-home compostable food	0.39	0.68	0.60	0.99	0.67	2.66%	3.51%	5.78%	7.18%	4.37%	
	Unused non-home compostable food	0.67	0.77	0.33	0.86	0.69	4.53%	3.94%	3.14%	6.22%	4.46%	
Organic Catering	Sub-total	2.01	2.82	2.03	3.21	2.59	13.59%	14.47%	19.43%	23.25%	16.78%	
Organic Non-catering	Garden	3.15	5.31	1.22	1.01	3.00	21.33%	27.26%	11.72%	7.28%	19.40%	
	Soil	0.00	0.01	0.01	0.00	0.01	0.00%	0.07%	0.13%	0.03%	0.05%	
	Other organic	0.28	0.54	0.07	0.05	0.29	1.86%	2.76%	0.67%	0.34%	1.87%	
Organic Non-catering	Sub-total	3.43	5.86	1.31	1.06	3.29	23.19%	30.09%	12.52%	7.65%	21.33%	
Fines	Material less than 10mm	0.12	0.29	0.04	0.13	0.17	0.81%	1.51%	0.35%	0.92%	1.13%	
Fines	Sub-total	0.12	0.29	0.04	0.13	0.17	0.81%	1.51%	0.35%	0.92%	1.13%	
TOTAL		14.79	19.46	10.44	13.83	15.44	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral Combined Kerbside Waste Streams, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	WIR	1	3	4	5	WIR	
Paper	Newspapers	1.61	0.89	0.64	0.82	0.99	10.62%	4.62%	6.12%	5.79%	6.34%	
	Magazines	0.62	0.53	0.40	0.38	0.50	4.12%	2.77%	3.88%	2.68%	3.19%	
	Other recyclable paper	0.64	0.40	0.38	0.66	0.51	4.25%	2.07%	3.69%	4.68%	3.27%	
	Paper packaging	0.01	0.01	0.03	0.02	0.01	0.06%	0.04%	0.26%	0.12%	0.08%	
	Non-recyclable paper	0.52	0.88	0.36	0.36	0.59	3.41%	4.57%	3.49%	2.56%	3.83%	
Paper	Sub-total	3.40	2.70	1.81	2.25	2.60	22.45%	14.07%	17.43%	15.83%	16.71%	
Card	Liquid cartons	0.03	0.05	0.01	0.03	0.03	0.19%	0.24%	0.13%	0.19%	0.21%	
	Board packaging	0.26	0.31	0.16	0.37	0.29	1.72%	1.64%	1.58%	2.60%	1.86%	
	Card packaging	0.43	0.63	0.32	0.52	0.51	2.83%	3.27%	3.12%	3.66%	3.26%	
	Other card	0.06	0.08	0.01	0.03	0.05	0.39%	0.44%	0.08%	0.20%	0.34%	
Card	Sub-total	0.78	1.07	0.51	0.94	0.88	5.14%	5.59%	4.91%	6.65%	5.67%	
Dense Plastic	Plastic Bottles:	PET	0.10	0.21	0.09	0.23	0.17	0.65%	1.10%	0.88%	1.63%	1.09%
		PET Coloured	0.03	0.05	0.02	0.05	0.04	0.17%	0.25%	0.22%	0.38%	0.26%
		HDPE	0.11	0.15	0.08	0.18	0.13	0.75%	0.76%	0.75%	1.28%	0.87%
		HDPE Coloured	0.04	0.06	0.03	0.04	0.05	0.24%	0.33%	0.30%	0.27%	0.30%
	Other	0.02	0.03	0.02	0.01	0.02	0.12%	0.13%	0.19%	0.10%	0.13%	
	Other packaging	0.34	0.53	0.22	0.35	0.39	2.28%	2.75%	2.09%	2.43%	2.53%	
Other dense plastic	0.18	0.25	0.10	0.24	0.21	1.19%	1.33%	1.00%	1.68%	1.34%		
Dense Plastic	Sub-total	0.29	0.50	0.27	0.31	0.37	1.89%	2.60%	2.62%	2.18%	2.39%	
Plastic Film	Packaging film	0.57	0.53	0.32	0.33	0.42	2.35%	2.38%	2.26%	2.30%	2.33%	
	Other plastic film	0.21	0.39	0.27	0.28	0.31	1.36%	2.06%	2.64%	1.97%	1.98%	
Plastic Film	Sub-total	0.77	0.93	0.60	0.61	0.73	3.71%	4.44%	4.90%	4.27%	4.31%	
Textiles	Textiles	0.41	0.48	0.32	0.40	0.42	2.73%	2.50%	3.09%	2.83%	2.71%	
	Shoes	0.07	0.13	0.05	0.06	0.09	0.49%	0.70%	0.44%	0.42%	0.57%	
Textiles	Sub-total	0.49	0.62	0.37	0.46	0.51	3.22%	3.21%	3.53%	3.25%	3.28%	
Miscellaneous Combustibles	Treated wood	0.09	0.27	0.12	0.07	0.16	0.62%	1.40%	1.19%	0.50%	1.04%	
	Untreated wood	0.01	0.03	0.01	0.01	0.02	0.09%	0.18%	0.07%	0.09%	0.13%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.67	0.73	1.57	0.94	0.91	4.43%	3.80%	15.14%	6.60%	5.86%	
	Other misc. comb.	0.09	0.12	0.05	0.05	0.08	0.60%	0.61%	0.44%	0.37%	0.54%	
	Carpet and underlay	0.00	0.09	0.02	0.04	0.05	0.00%	0.45%	0.22%	0.26%	0.30%	
Miscellaneous Combustibles	Sub-total	0.87	1.23	1.77	1.11	1.22	5.75%	6.44%	17.06%	7.82%	7.87%	
Glass	Glass bottles	0.97	0.79	0.57	1.25	0.89	6.41%	4.12%	5.44%	8.82%	5.75%	
	Glass jars	0.42	0.42	0.21	0.32	0.36	2.79%	2.19%	1.99%	2.29%	2.33%	
	Other glass	0.01	0.02	0.05	0.06	0.03	0.08%	0.09%	0.49%	0.43%	0.20%	
Glass	Sub-total	1.41	1.23	0.82	1.64	1.29	9.28%	6.40%	7.91%	11.54%	8.28%	
Miscellaneous Non-combustibles	Construction and demolition	0.13	0.05	0.05	0.86	0.25	0.85%	0.25%	0.52%	6.07%	1.59%	
	Other misc.non.comb	0.05	0.11	0.08	0.06	0.08	0.33%	0.59%	0.73%	0.42%	0.52%	
Miscellaneous Non-combustibles	Sub-total	0.18	0.16	0.13	0.92	0.33	1.19%	0.84%	1.25%	6.50%	2.11%	
Ferrous Metal	Ferrous food cans	0.24	0.27	0.17	0.37	0.27	1.59%	1.39%	1.59%	2.63%	1.72%	
	Ferrous beverage cans	0.04	0.06	0.04	0.06	0.05	0.26%	0.29%	0.34%	0.45%	0.33%	
	Ferrous aerosols	0.03	0.02	0.01	0.02	0.02	0.23%	0.12%	0.12%	0.17%	0.15%	
	Other ferrous metal	0.25	0.11	0.04	0.04	0.11	1.64%	0.55%	0.39%	0.27%	0.71%	
Ferrous Metal	Sub-total	0.56	0.45	0.25	0.50	0.45	3.72%	2.35%	2.44%	3.52%	2.91%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.01	0.01	0.01	0.08%	0.01%	0.08%	0.05%	0.04%	
	Non-ferrous beverage cans	0.10	0.11	0.08	0.06	0.09	0.68%	0.59%	0.74%	0.42%	0.60%	
	Non-ferrous aerosols	0.02	0.01	0.01	0.01	0.01	0.15%	0.06%	0.13%	0.05%	0.09%	
	Other non-ferrous metal	0.08	0.07	0.04	0.07	0.07	0.53%	0.35%	0.43%	0.47%	0.42%	
Non-ferrous Metal	Sub-total	0.22	0.19	0.14	0.14	0.18	1.44%	1.02%	1.38%	0.99%	1.15%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.19	0.01	0.04	0.08	0.00%	0.98%	0.11%	0.32%	0.55%	
	IT & Telecoms Equip.	0.00	0.01	0.01	0.00	0.01	0.01%	0.05%	0.13%	0.00%	0.04%	
	Consumer Equip.	0.00	0.00	0.05	0.04	0.02	0.00%	0.02%	0.48%	0.31%	0.13%	
	Elec. & Electronic Tools	0.02	0.00	0.03	0.07	0.02	0.11%	0.00%	0.29%	0.50%	0.16%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.05%	0.02%	0.01%	
	Lighting	0.01	0.04	0.00	0.01	0.02	0.08%	0.21%	0.04%	0.04%	0.13%	
	Monitoring & Ctl. Inst.	0.00	0.01	0.00	0.00	0.00	0.00%	0.07%	0.00%	0.00%	0.03%	
	Other WEEE	0.06	0.04	0.05	0.02	0.04	0.42%	0.22%	0.44%	0.12%	0.27%	
WEEE	Sub-total	0.09	0.30	0.16	0.19	0.20	0.61%	1.56%	1.53%	1.30%	1.32%	
Hazardous	Household batteries	0.01	0.01	0.01	0.01	0.01	0.06%	0.07%	0.08%	0.06%	0.07%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.06	0.01	0.01	0.03	0.03%	0.30%	0.11%	0.09%	0.18%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.01	0.06	0.00	0.00	0.03	0.08%	0.29%	0.04%	0.03%	0.17%	
Hazardous	Sub-total	0.03	0.13	0.02	0.03	0.06	0.18%	0.66%	0.23%	0.19%	0.41%	
Organic Catering	Home Compostable food	0.91	1.29	0.68	1.12	1.06	6.00%	6.71%	6.58%	7.90%	6.83%	
	Unused home compostable food	0.45	0.60	0.20	0.36	0.44	2.99%	3.11%	1.96%	2.52%	2.86%	
	Non-home compostable food	0.83	1.21	0.79	1.12	1.04	5.49%	6.33%	7.62%	7.89%	6.67%	
	Unused non-home compostable food	0.49	0.59	0.23	0.64	0.52	3.22%	3.10%	2.23%	4.53%	3.34%	
Organic Catering	Sub-total	2.68	3.69	1.91	3.24	3.06	17.70%	19.25%	18.39%	22.83%	19.69%	
Organic Non-catering	Garden	2.67	3.50	0.97	0.65	2.13	17.59%	18.25%	9.33%	4.62%	13.70%	
	Soil	0.07	0.01	0.09	0.06	0.04	0.49%	0.04%	0.87%	0.41%	0.28%	
	Other organic	0.17	1.38	0.17	0.12	0.63	1.14%	7.21%	1.62%	0.88%	4.04%	
Organic Non-catering	Sub-total	2.91	4.89	1.23	0.84	2.80	19.22%	25.49%	11.82%	5.91%	18.02%	
Fines	Material less than 10mm	0.22	0.35	0.15	0.25	0.26	1.47%	1.82%	1.42%	1.75%	1.70%	
	Sub-total	0.22	0.35	0.15	0.25	0.26	1.47%	1.82%	1.42%	1.75%	1.70%	
TOTAL	TOTAL	15.15	19.18	10.40	14.18	15.53	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix E

Wirral BMW, Study Averages									
Material sub-category	BMW Content	Arisings, kg/hh/wk				Assay, %			
		RW	GW	DR	Combined	RW	GW	DR	Combined
Newspapers	100%	0.22	0.00	0.76	0.99	2.3%	0.0%	20.8%	6.3%
Magazines	100%	0.12	0.00	0.38	0.50	1.2%	0.0%	10.4%	3.2%
Other recyclable paper	100%	0.23	0.00	0.28	0.51	2.3%	0.0%	7.5%	3.3%
Paper packaging	100%	0.01	0.00	0.00	0.01	0.1%	0.0%	0.1%	0.1%
Non-recyclable paper	100%	0.52	0.00	0.08	0.59	5.3%	0.0%	2.1%	3.8%
Liquid cartons	100%	0.02	0.00	0.01	0.03	0.2%	0.0%	0.3%	0.2%
Board packaging	100%	0.10	0.00	0.19	0.29	1.0%	0.0%	5.1%	1.9%
Card packaging	100%	0.26	0.00	0.25	0.51	2.6%	0.1%	6.7%	3.3%
Other card	100%	0.02	0.00	0.03	0.05	0.2%	0.0%	0.9%	0.3%
Plastic Bottles:	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
PET	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
PET Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other dense plastic	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Textiles	50%	0.20	0.00	0.01	0.21	2.1%	0.0%	0.1%	1.4%
Shoes	50%	0.04	0.00	0.00	0.04	0.4%	0.0%	0.1%	0.3%
Treated wood	50%	0.06	0.00	0.02	0.08	0.6%	0.2%	0.5%	0.5%
Untreated wood	50%	0.01	0.00	0.00	0.01	0.1%	0.0%	0.1%	0.1%
Furniture	50%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Nappies/ Sanitary	50%	0.45	0.00	0.00	0.46	4.6%	0.0%	0.1%	2.9%
Other misc. comb.	50%	0.04	0.00	0.01	0.04	0.4%	0.0%	0.1%	0.3%
Carpet and underlay	50%	0.02	0.00	0.00	0.02	0.2%	0.0%	0.0%	0.1%
Glass bottles	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Glass jars	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other glass	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Construction and demolition	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other misc.non.comb	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other non-ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Fridges, Freezers	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Large hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Small hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
IT & Telecoms Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Consumer Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Elec. & Electronic Tools	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Toys,Leisure & Sports Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Lighting	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Monitoring & Ctl. Inst.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other WEEE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Household batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Car batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Identifiable clinical waste	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Engine oil	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other pntl. haz.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Home compostable food	100%	1.03	0.00	0.03	1.06	10.5%	0.1%	0.7%	6.8%
Unused home compostable food	100%	0.44	0.00	0.00	0.44	4.5%	0.0%	0.1%	2.9%
Non-home compostable food	100%	1.01	0.00	0.02	1.04	10.3%	0.0%	0.6%	6.7%
Unused non-home compostable food	100%	0.52	0.00	0.00	0.52	5.3%	0.0%	0.0%	3.3%
Garden	100%	0.26	1.86	0.00	2.13	2.7%	91.0%	0.1%	13.7%
Soil	100%	0.04	0.01	0.00	0.04	0.4%	0.4%	0.0%	0.3%
Other organic	100%	0.46	0.16	0.00	0.63	4.7%	8.0%	0.0%	4.0%
Material less than 10mm	50%	0.12	0.00	0.01	0.13	1.2%	0.0%	0.3%	0.8%
Totals		6.21	2.04	2.08	10.33	63.2%	99.8%	56.8%	66.5%



Appendix E

Entec

Creating the environment for business



Appendix E

Appendix F Halton Tables



Appendix F

Entec

Creating the environment for business



Appendix F

Halton Residual Waste, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	0.07	0.22	0.15	0.51	0.29	0.45%	1.62%	1.42%	4.31%	2.25%	
	Magazines	0.30	0.24	0.04	0.19	0.19	1.84%	1.76%	0.33%	1.64%	1.51%	
	Other recyclable paper	0.61	0.34	0.45	0.62	0.51	3.77%	2.47%	4.24%	5.21%	3.98%	
	Paper packaging	0.00	0.01	0.01	0.02	0.01	0.00%	0.08%	0.05%	0.16%	0.09%	
	Non-recyclable paper	0.87	0.85	0.46	0.23	0.55	5.35%	6.13%	4.26%	1.97%	4.24%	
Paper	Sub-total	1.85	1.66	1.10	1.57	1.56	11.41%	12.06%	10.30%	13.29%	12.06%	
Card	Liquid cartons	0.04	0.06	0.03	0.06	0.05	0.26%	0.44%	0.32%	0.49%	0.40%	
	Board packaging	0.40	0.26	0.09	0.49	0.34	2.46%	1.85%	0.84%	4.17%	2.62%	
	Card packaging	0.37	0.32	0.30	0.41	0.36	2.27%	2.30%	2.75%	3.43%	2.75%	
	Other card	0.00	0.10	0.02	0.02	0.04	0.00%	0.72%	0.19%	0.21%	0.30%	
Card	Sub-total	0.81	0.73	0.44	0.98	0.78	4.99%	5.31%	4.10%	8.30%	6.07%	
Dense Plastic	Plastic Bottles:	PET	0.20	0.18	0.11	0.18	0.17	1.22%	1.33%	1.01%	1.52%	1.32%
		PET Coloured	0.03	0.01	0.01	0.03	0.02	0.16%	0.06%	0.13%	0.28%	0.17%
		HDPE	0.10	0.07	0.02	0.06	0.06	0.61%	0.47%	0.16%	0.47%	0.45%
		HDPE Coloured	0.10	0.10	0.04	0.05	0.07	0.63%	0.70%	0.34%	0.42%	0.53%
		Other	0.00	0.00	0.08	0.01	0.02	0.00%	0.02%	0.75%	0.11%	0.16%
	Other packaging	0.80	0.46	0.32	0.34	0.45	4.95%	3.35%	2.94%	2.87%	3.48%	
Other dense plastic	0.42	0.38	0.48	0.48	0.44	2.57%	2.74%	4.51%	4.08%	3.44%		
Dense Plastic	Sub-total	1.64	1.20	1.05	1.15	1.23	10.13%	8.69%	9.84%	9.76%	9.56%	
Plastic Film	Packaging film	0.56	0.48	0.41	0.41	0.45	3.43%	3.47%	3.85%	3.47%	3.52%	
	Other plastic film	0.47	0.36	0.25	0.33	0.35	2.90%	2.58%	2.32%	2.77%	2.68%	
Plastic Film	Sub-total	1.03	0.83	0.66	0.74	0.80	6.33%	6.05%	6.17%	6.25%	6.20%	
Textiles	Textiles	0.59	0.56	0.25	0.61	0.53	3.65%	4.05%	2.35%	5.20%	4.08%	
	Shoes	0.08	0.16	0.01	0.02	0.07	0.52%	1.18%	0.11%	0.20%	0.52%	
Textiles	Sub-total	0.68	0.72	0.26	0.64	0.59	4.17%	5.23%	2.45%	5.40%	4.61%	
Miscellaneous Combustibles	Treated wood	0.16	0.04	0.00	0.17	0.11	1.01%	0.31%	0.00%	1.47%	0.82%	
	Untreated wood	0.00	0.00	0.00	0.09	0.03	0.00%	0.00%	0.00%	0.76%	0.26%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.40	0.81	0.55	0.14	0.44	2.44%	5.88%	5.17%	1.16%	3.38%	
	Other misc. comb.	0.58	0.02	0.01	0.17	0.18	3.60%	0.16%	0.11%	1.46%	1.37%	
	Carpet and underlay	0.00	0.07	0.04	0.00	0.03	0.00%	0.53%	0.33%	0.00%	0.20%	
Miscellaneous Combustibles	Sub-total	1.14	0.95	0.60	0.57	0.78	7.05%	6.87%	5.61%	4.85%	6.02%	
Glass	Glass bottles	0.36	0.37	0.48	0.37	0.39	2.23%	2.69%	4.44%	3.11%	3.01%	
	Glass jars	0.53	0.26	0.09	0.26	0.28	3.29%	1.87%	0.85%	2.22%	2.15%	
	Other glass	0.00	0.04	0.02	0.02	0.02	0.00%	0.32%	0.14%	0.13%	0.16%	
Glass	Sub-total	0.90	0.67	0.58	0.65	0.68	5.52%	4.88%	5.43%	5.46%	5.31%	
Miscellaneous Non-combustibles	Construction and demolition	0.13	0.31	0.33	0.00	0.17	0.79%	2.26%	3.07%	0.00%	1.28%	
	Other misc.non.comb	0.00	0.10	0.01	0.09	0.06	0.00%	0.74%	0.13%	0.73%	0.47%	
Miscellaneous Non-combustibles	Sub-total	0.13	0.41	0.34	0.09	0.23	0.79%	3.00%	3.19%	0.73%	1.76%	
Ferrous Metal	Ferrous food cans	0.36	0.19	0.27	0.35	0.29	2.22%	1.40%	2.52%	2.93%	2.29%	
	Ferrous beverage cans	0.04	0.03	0.04	0.06	0.04	0.24%	0.18%	0.36%	0.49%	0.33%	
	Ferrous aerosols	0.05	0.03	0.03	0.04	0.04	0.32%	0.23%	0.32%	0.34%	0.31%	
	Other ferrous metal	0.08	0.17	0.03	0.23	0.15	0.49%	1.20%	0.23%	1.96%	1.15%	
Ferrous Metal	Sub-total	0.53	0.42	0.37	0.68	0.52	3.27%	3.02%	3.43%	5.72%	4.07%	
Non-ferrous Metal	Non-ferrous food cans	0.08	0.00	0.01	0.01	0.02	0.52%	0.03%	0.07%	0.05%	0.15%	
	Non-ferrous beverage cans	0.03	0.04	0.06	0.04	0.04	0.19%	0.26%	0.51%	0.38%	0.32%	
	Non-ferrous aerosols	0.08	0.01	0.01	0.04	0.03	0.48%	0.09%	0.05%	0.32%	0.25%	
	Other non-ferrous metal	0.24	0.12	0.08	0.01	0.10	1.51%	0.90%	0.71%	0.12%	0.74%	
Non-ferrous Metal	Sub-total	0.44	0.18	0.14	0.10	0.19	2.70%	1.27%	1.35%	0.86%	1.46%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.18	0.00	0.04	0.00%	0.00%	1.72%	0.00%	0.27%	
	IT & Telecoms Equip.	0.00	0.14	0.00	0.31	0.15	0.00%	1.04%	0.00%	2.64%	1.19%	
	Consumer Equip.	0.09	0.05	0.04	0.23	0.12	0.58%	0.33%	0.37%	1.97%	0.95%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.04	0.24	0.08	0.00	0.08	0.27%	1.76%	0.71%	0.00%	0.66%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.02	0.00	0.09	0.04	0.00%	0.12%	0.00%	0.73%	0.28%	
WEEE	Sub-total	0.14	0.45	0.30	0.63	0.43	0.85%	3.24%	2.80%	5.34%	3.35%	
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.07%	0.04%	0.11%	0.03%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.02	0.01	0.01	0.01	0.01	0.12%	0.05%	0.06%	0.12%	0.09%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.17	0.00	0.02	0.05	0.00%	1.24%	0.00%	0.14%	0.39%	
Hazardous	Sub-total	0.03	0.18	0.02	0.03	0.07	0.19%	1.33%	0.16%	0.29%	0.53%	
Organic Catering	Home Compostable food	1.82	1.35	1.48	0.94	1.31	11.21%	9.80%	13.77%	7.99%	10.13%	
	Unused home compostable food	1.05	0.68	0.67	0.44	0.65	6.50%	4.90%	6.24%	3.71%	5.06%	
	Non-home compostable food	1.87	1.02	1.57	0.79	1.19	11.54%	7.43%	14.69%	6.72%	9.26%	
	Unused non-home compostable food	1.21	0.44	0.22	0.79	0.67	7.49%	3.17%	2.04%	6.71%	5.17%	
Organic Catering	Sub-total	5.96	3.49	3.94	2.97	3.82	36.75%	25.30%	36.73%	25.14%	29.62%	
Organic Non-catering	Garden	0.06	0.78	0.02	0.00	0.21	0.35%	5.65%	0.17%	0.00%	1.66%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.43	0.47	0.32	0.62	0.49	2.62%	3.41%	3.02%	5.21%	3.79%	
Organic Non-catering	Sub-total	0.48	1.25	0.34	0.62	0.70	2.97%	9.06%	3.19%	5.21%	5.44%	
Fines	Material less than 10mm	0.47	0.65	0.56	0.40	0.51	2.89%	4.69%	5.23%	3.41%	3.93%	
	Sub-total	0.47	0.65	0.56	0.40	0.51	2.89%	4.69%	5.23%	3.41%	3.93%	
TOTAL		16.21	13.79	10.71	11.81	12.90	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Residual Waste, June 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	HAL	1	3	4	5	HAL
Paper	Newspapers	0.12	0.16	0.15	0.44	0.26	0.79%	1.13%	1.52%	3.91%	2.06%
	Magazines	0.31	0.24	0.03	0.17	0.19	1.98%	1.76%	0.31%	1.53%	1.51%
	Other recyclable paper	0.44	0.31	0.36	0.37	0.36	2.77%	2.21%	3.63%	3.24%	2.90%
	Paper packaging	0.00	0.01	0.00	0.01	0.01	0.00%	0.04%	0.03%	0.08%	0.04%
	Non-recyclable paper	1.00	0.79	0.41	0.30	0.57	6.30%	5.70%	4.20%	2.66%	4.57%
Paper	Sub-total	1.87	1.50	0.95	1.30	1.39	11.83%	10.84%	9.68%	11.42%	11.09%
Card	Liquid cartons	0.04	0.06	0.03	0.05	0.05	0.22%	0.45%	0.31%	0.43%	0.37%
	Board packaging	0.27	0.23	0.09	0.42	0.28	1.69%	1.69%	0.87%	3.71%	2.25%
	Card packaging	0.29	0.47	0.32	0.42	0.39	1.85%	3.40%	3.28%	3.66%	3.12%
	Other card	0.02	0.09	0.01	0.02	0.04	0.10%	0.63%	0.10%	0.20%	0.28%
Card	Sub-total	0.61	0.85	0.45	0.91	0.75	3.86%	6.17%	4.56%	7.99%	6.03%
Dense Plastic	Plastic Bottles: PET	0.21	0.19	0.09	0.19	0.18	1.34%	1.40%	0.89%	1.71%	1.41%
	PET Coloured	0.07	0.01	0.02	0.03	0.03	0.43%	0.10%	0.16%	0.26%	0.24%
	HDPE	0.10	0.09	0.03	0.07	0.07	0.63%	0.65%	0.29%	0.59%	0.57%
	HDPE Coloured	0.08	0.07	0.04	0.06	0.06	0.51%	0.48%	0.36%	0.53%	0.49%
	Other	0.01	0.02	0.08	0.04	0.04	0.04%	0.15%	0.82%	0.33%	0.29%
	Other packaging	0.71	0.53	0.33	0.33	0.45	4.49%	3.85%	3.37%	2.86%	3.59%
	Other dense plastic	0.30	0.39	0.29	0.34	0.34	1.91%	2.80%	2.93%	3.02%	2.69%
Dense Plastic	Sub-total	1.48	1.30	0.87	1.06	1.16	9.34%	9.44%	8.82%	9.30%	9.28%
Plastic Film	Packaging film	0.55	0.53	0.32	0.32	0.42	3.49%	3.62%	3.23%	2.85%	3.33%
	Other plastic film	0.46	0.42	0.30	0.32	0.36	2.90%	3.01%	3.01%	2.80%	2.92%
Plastic Film	Sub-total	1.01	0.94	0.61	0.64	0.78	6.40%	6.83%	6.23%	5.66%	6.24%
Textiles	Textiles	0.52	0.73	0.31	0.46	0.51	3.31%	5.27%	3.11%	4.04%	4.08%
	Shoes	0.07	0.11	0.06	0.04	0.07	0.47%	0.78%	0.58%	0.32%	0.52%
Textiles	Sub-total	0.60	0.84	0.36	0.50	0.58	3.78%	6.05%	3.69%	4.36%	4.61%
Miscellaneous Combustibles	Treated wood	0.08	0.04	0.25	0.09	0.11	0.52%	0.27%	2.53%	0.80%	0.85%
	Untreated wood	0.00	0.02	0.01	0.05	0.03	0.00%	0.16%	0.12%	0.42%	0.20%
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Nappies/ Sanitary	0.24	0.58	0.47	0.34	0.41	1.49%	4.21%	4.82%	2.96%	3.26%
	Other misc. comb.	0.32	0.14	0.04	0.11	0.14	1.99%	1.04%	0.43%	0.99%	1.15%
	Carpet and underlay	0.00	0.19	0.02	0.00	0.05	0.00%	1.35%	0.18%	0.00%	0.41%
Miscellaneous Combustibles	Sub-total	0.63	0.97	0.79	0.59	0.73	3.99%	7.03%	8.08%	5.16%	5.87%
Glass	Glass bottles	0.78	0.31	0.30	0.49	0.46	4.92%	2.26%	3.08%	4.30%	3.68%
	Glass jars	0.41	0.21	0.06	0.20	0.22	2.61%	1.51%	0.64%	1.79%	1.72%
	Other glass	0.06	0.07	0.01	0.03	0.04	0.39%	0.48%	0.08%	0.23%	0.32%
Glass	Sub-total	1.26	0.59	0.37	0.72	0.71	7.92%	4.26%	3.80%	6.32%	5.72%
Miscellaneous Non-combustibles	Construction and demolition	0.19	0.17	0.16	0.09	0.14	1.22%	1.23%	1.67%	0.82%	1.16%
	Other misc.non.comb	0.00	0.10	0.11	0.15	0.10	0.00%	0.75%	1.10%	1.34%	0.83%
Miscellaneous Non-combustibles	Sub-total	0.19	0.27	0.27	0.25	0.25	1.22%	1.98%	2.77%	2.16%	1.99%
Ferrous Metal	Ferrous food cans	0.31	0.20	0.25	0.25	0.25	1.99%	1.47%	2.58%	2.17%	1.99%
	Ferrous beverage cans	0.07	0.07	0.02	0.06	0.06	0.44%	0.50%	0.24%	0.50%	0.45%
	Ferrous aerosols	0.03	0.03	0.03	0.07	0.05	0.21%	0.25%	0.30%	0.63%	0.38%
	Other ferrous metal	0.04	0.10	0.01	0.13	0.08	0.27%	0.71%	0.13%	1.13%	0.67%
Ferrous Metal	Sub-total	0.46	0.40	0.32	0.50	0.44	2.90%	2.93%	3.25%	4.43%	3.48%
Non-ferrous Metal	Non-ferrous food cans	0.05	0.00	0.01	0.00	0.01	0.30%	0.03%	0.07%	0.03%	0.10%
	Non-ferrous beverage cans	0.05	0.09	0.04	0.04	0.05	0.30%	0.62%	0.37%	0.37%	0.43%
	Non-ferrous aerosols	0.04	0.02	0.00	0.03	0.03	0.28%	0.17%	0.03%	0.30%	0.22%
	Other non-ferrous metal	0.20	0.12	0.06	0.03	0.09	1.29%	0.88%	0.66%	0.30%	0.74%
Non-ferrous Metal	Sub-total	0.34	0.24	0.11	0.11	0.19	2.17%	1.70%	1.12%	1.00%	1.48%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.04	0.09	0.00	0.03	0.00%	0.30%	0.94%	0.00%	0.22%
	IT & Telecoms Equip.	0.00	0.07	0.00	0.16	0.08	0.00%	0.52%	0.00%	1.40%	0.62%
	Consumer Equip.	0.18	0.15	0.02	0.12	0.12	1.13%	1.06%	0.20%	1.02%	0.93%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.02	0.03	0.03	0.01	0.02	0.13%	0.24%	0.26%	0.07%	0.16%
	Lighting	0.05	0.13	0.09	0.00	0.06	0.29%	0.91%	0.95%	0.01%	0.47%
	Monitoring & Ctl. Inst.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.00%	0.06%	0.02%
	Other WEEE	0.04	0.02	0.00	0.04	0.03	0.27%	0.13%	0.00%	0.39%	0.23%
WEEE	Sub-total	0.29	0.44	0.23	0.34	0.33	1.81%	3.16%	2.35%	2.97%	2.67%
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.05%	0.06%	0.06%	0.04%	0.05%
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.01	0.00	0.01	0.02	0.01	0.07%	0.04%	0.07%	0.15%	0.09%
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other pntt. haz.	0.01	0.12	0.10	0.02	0.06	0.06%	0.88%	1.05%	0.15%	0.47%
Hazardous	Sub-total	0.03	0.13	0.12	0.04	0.08	0.19%	0.97%	1.18%	0.34%	0.61%
Organic Catering	Home Compostable food	1.80	1.60	1.20	0.80	1.26	11.36%	11.59%	12.19%	7.03%	10.08%
	Unused home compostable food	1.11	0.68	0.65	0.64	0.74	6.99%	4.92%	6.60%	5.63%	5.88%
	Non-home compostable food	1.85	1.07	1.42	0.71	1.14	11.66%	7.77%	14.45%	6.27%	9.14%
	Unused non-home compostable food	1.46	0.82	0.55	1.22	1.03	9.20%	5.93%	5.55%	10.70%	8.23%
Organic Catering	Sub-total	6.21	4.17	3.81	3.37	4.17	39.20%	30.20%	38.78%	29.63%	33.33%
Organic Non-catering	Garden	0.12	0.41	0.08	0.34	0.27	0.78%	2.93%	0.86%	2.95%	2.14%
	Soil	0.09	0.01	0.00	0.09	0.05	0.55%	0.04%	0.00%	0.83%	0.42%
	Other organic	0.29	0.36	0.16	0.34	0.30	1.83%	2.62%	1.65%	3.01%	2.43%
Organic Non-catering	Sub-total	0.50	0.77	0.25	0.77	0.62	3.16%	5.60%	2.51%	6.79%	4.99%
Fines	Material less than 10mm	0.35	0.39	0.31	0.28	0.33	2.23%	2.83%	3.17%	2.46%	2.62%
Fines	Sub-total	0.35	0.39	0.31	0.28	0.33	2.23%	2.83%	3.17%	2.46%	2.62%
TOTAL		15.84	13.82	9.83	11.37	12.50	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Residual Waste, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	0.38	0.12	0.10	0.12	0.18	4.38%	1.51%	1.61%	1.43%	2.18%	
	Magazines	0.15	0.18	0.11	0.13	0.16	1.79%	2.20%	1.81%	1.54%	1.92%	
	Other recyclable paper	0.24	0.33	0.12	0.35	0.29	2.73%	4.05%	2.05%	4.18%	3.61%	
	Paper packaging	0.00	0.02	0.01	0.37	0.09	0.00%	0.30%	0.14%	4.37%	1.17%	
	Non-recyclable paper	0.44	0.58	0.20	0.71	0.54	5.07%	7.05%	3.33%	8.47%	6.63%	
Paper	Sub-total	1.20	1.23	0.54	1.67	1.25	13.97%	15.11%	8.94%	19.98%	15.51%	
Card	Liquid cartons	0.02	0.02	0.01	0.02	0.02	0.26%	0.22%	0.18%	0.26%	0.24%	
	Board packaging	0.19	0.27	0.07	0.15	0.21	2.17%	3.36%	1.23%	1.85%	2.56%	
	Card packaging	0.53	0.33	0.24	0.46	0.40	6.14%	4.10%	3.96%	5.54%	4.91%	
	Other card	0.02	0.03	0.07	0.06	0.04	0.21%	0.38%	1.08%	0.71%	0.47%	
Card	Sub-total	0.76	0.66	0.39	0.70	0.66	8.78%	8.06%	6.46%	8.36%	8.17%	
Dense Plastic	Plastic Bottles:	PET	0.13	0.09	0.12	0.25	0.14	1.46%	1.05%	2.01%	3.05%	1.69%
		PET Coloured	0.01	0.01	0.01	0.03	0.02	0.13%	0.11%	0.19%	0.40%	0.19%
		HDPE	0.11	0.04	0.06	0.12	0.08	1.27%	0.53%	1.01%	1.38%	0.94%
		HDPE Coloured	0.07	0.03	0.03	0.05	0.04	0.76%	0.39%	0.57%	0.58%	0.54%
		Other	0.03	0.00	0.01	0.02	0.01	0.35%	0.03%	0.18%	0.24%	0.17%
	Other packaging	0.35	0.28	0.18	0.35	0.30	4.09%	3.44%	2.94%	4.22%	3.74%	
Dense Plastic	Sub-total	0.88	0.56	0.53	0.90	0.70	10.16%	6.87%	8.79%	10.75%	8.71%	
Plastic Film	Packaging film	0.32	0.25	0.18	0.24	0.28	3.73%	3.06%	2.90%	2.92%	3.17%	
	Other plastic film	0.21	0.22	0.25	0.35	0.25	2.45%	2.64%	4.09%	4.22%	3.08%	
Plastic Film	Sub-total	0.53	0.47	0.42	0.60	0.51	6.18%	5.70%	6.99%	7.14%	6.25%	
Textiles	Textiles	0.28	0.25	0.23	0.43	0.30	3.31%	3.06%	3.82%	5.19%	3.68%	
	Shoes	0.02	0.09	0.06	0.04	0.06	0.21%	1.13%	1.05%	0.48%	0.75%	
Textiles	Sub-total	0.30	0.34	0.30	0.47	0.36	3.52%	4.19%	4.88%	5.66%	4.43%	
Miscellaneous Combustibles	Treated wood	0.12	0.03	0.07	0.01	0.05	1.44%	0.33%	1.16%	0.09%	0.60%	
	Untreated wood	0.00	0.02	0.00	0.00	0.01	0.01%	0.21%	0.02%	0.02%	0.10%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.60	0.48	0.68	0.16	0.45	7.01%	5.85%	11.16%	1.90%	5.61%	
	Other misc. comb.	0.30	0.22	0.03	0.09	0.19	3.53%	2.64%	0.56%	1.13%	2.33%	
	Carpet and underlay	0.00	0.04	0.09	0.01	0.03	0.00%	0.51%	1.48%	0.09%	0.37%	
Miscellaneous Combustibles	Sub-total	1.03	0.78	0.87	0.27	0.73	11.99%	9.54%	14.37%	3.23%	9.01%	
Glass	Glass bottles	0.06	0.19	0.17	0.20	0.16	0.73%	2.33%	2.76%	2.34%	1.99%	
	Glass jars	0.06	0.12	0.07	0.09	0.10	0.72%	1.48%	1.11%	1.10%	1.19%	
	Other glass	0.01	0.03	0.01	0.00	0.02	0.12%	0.32%	0.24%	0.02%	0.20%	
Glass	Sub-total	0.14	0.34	0.25	0.29	0.27	1.58%	4.14%	4.12%	3.46%	3.37%	
Miscellaneous Non-combustibles	Construction and demolition	0.89	0.43	0.16	0.03	0.41	10.34%	5.24%	2.56%	0.34%	5.08%	
	Other misc.non.comb	0.09	0.02	0.12	0.06	0.06	1.02%	0.30%	1.97%	0.70%	0.70%	
Miscellaneous Non-combustibles	Sub-total	0.98	0.45	0.27	0.09	0.47	11.36%	5.54%	4.54%	1.04%	5.78%	
Ferrous Metal	Ferrous food cans	0.07	0.05	0.12	0.16	0.09	0.83%	0.67%	1.95%	1.91%	1.10%	
	Ferrous beverage cans	0.00	0.01	0.01	0.07	0.02	0.05%	0.11%	0.18%	0.87%	0.28%	
	Ferrous aerosols	0.01	0.02	0.01	0.01	0.01	0.08%	0.20%	0.14%	0.16%	0.16%	
	Other ferrous metal	0.18	0.09	0.05	0.02	0.09	2.04%	1.12%	0.80%	0.28%	1.11%	
Ferrous Metal	Sub-total	0.26	0.17	0.19	0.27	0.21	3.00%	2.09%	3.07%	3.22%	2.65%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.01	0.01	0.01	0.00	0.00%	0.06%	0.11%	0.09%	0.06%	
	Non-ferrous beverage cans	0.02	0.01	0.04	0.02	0.02	0.28%	0.10%	0.64%	0.27%	0.22%	
	Non-ferrous aerosols	0.00	0.01	0.00	0.02	0.01	0.05%	0.14%	0.05%	0.21%	0.13%	
	Other non-ferrous metal	0.04	0.05	0.04	0.05	0.05	0.46%	0.62%	0.65%	0.55%	0.57%	
Non-ferrous Metal	Sub-total	0.07	0.08	0.09	0.09	0.08	0.80%	0.92%	1.45%	1.12%	0.98%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.04	0.01	0.00%	0.00%	0.00%	0.42%	0.10%	
	IT & Telecoms Equip.	0.01	0.00	0.00	0.00	0.00	0.16%	0.00%	0.02%	0.00%	0.04%	
	Consumer Equip.	0.01	0.04	0.01	0.03	0.03	0.06%	0.45%	0.22%	0.39%	0.33%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.00%	0.02%	
	Toys, Leisure & Sports Equip.	0.00	0.02	0.00	0.00	0.01	0.00%	0.19%	0.00%	0.00%	0.09%	
	Lighting	0.02	0.00	0.01	0.02	0.01	0.18%	0.00%	0.09%	0.27%	0.12%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.01	0.03	0.01	0.01	0.02	0.06%	0.35%	0.21%	0.07%	0.21%	
WEEE	Sub-total	0.04	0.08	0.03	0.10	0.07	0.45%	1.04%	0.55%	1.15%	0.89%	
Hazardous	Household batteries	0.01	0.01	0.01	0.01	0.01	0.12%	0.07%	0.11%	0.08%	0.09%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.00	0.01	0.09%	0.17%	0.08%	0.01%	0.11%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.01	0.03	0.15	0.04	0.02%	0.10%	0.42%	1.79%	0.50%	
Hazardous	Sub-total	0.02	0.03	0.04	0.16	0.06	0.23%	0.34%	0.61%	1.89%	0.70%	
Organic Catering	Home Compostable food	0.75	0.42	0.61	1.17	0.68	8.69%	5.14%	10.09%	14.01%	8.44%	
	Unused home compostable food	0.37	0.23	0.20	0.14	0.24	4.29%	2.84%	3.27%	1.71%	2.95%	
	Non-home compostable food	0.62	0.77	0.49	0.82	0.72	7.24%	9.44%	8.06%	9.81%	8.90%	
	Unused non-home compostable food	0.26	0.37	0.27	0.24	0.30	3.01%	4.50%	4.42%	2.89%	3.77%	
Organic Catering	Sub-total	2.00	1.79	1.56	2.38	1.95	23.22%	21.92%	25.84%	28.43%	24.06%	
Organic Non-catering	Garden	0.00	0.23	0.17	0.00	0.12	0.02%	2.85%	2.83%	0.01%	1.51%	
	Soil	0.00	0.13	0.00	0.00	0.06	0.00%	1.57%	0.00%	0.00%	0.71%	
	Other organic	0.15	0.59	0.19	0.16	0.35	1.73%	7.21%	3.21%	1.97%	4.38%	
Organic Non-catering	Sub-total	0.15	0.95	0.37	0.17	0.53	1.75%	11.63%	6.03%	1.98%	6.61%	
Fines	Material less than 10mm	0.26	0.24	0.20	0.22	0.23	3.00%	2.92%	3.36%	2.58%	2.89%	
	Sub-total	0.26	0.24	0.20	0.22	0.23	3.00%	2.92%	3.36%	2.58%	2.89%	
TOTAL		8.62	8.16	6.05	8.36	8.09	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Garden Waste, March 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	HAL	1	3	4	5	HAL
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.01%
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.01%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.04	0.02	0.00%	0.00%	0.00%	4.65%	0.87%
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.04	0.02	0.00%	0.00%	0.00%	4.65%	0.87%
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.00%
Other packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.02%	0.04%	0.08%	0.00%	0.03%	
Dense Plastic	Sub-total	0.00	0.00	0.00	0.00	0.00	0.02%	0.05%	0.08%	0.00%	0.04%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.05%	0.00%	0.01%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.05%	0.00%	0.02%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.00%	0.00%	0.03%
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.06%	0.00%	0.00%	0.03%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Garden	1.35	3.07	1.31	0.82	1.58	73.38%	88.67%	82.47%	87.04%	84.69%
	Soil	0.49	0.39	0.28	0.08	0.27	26.60%	11.19%	17.40%	8.31%	14.35%
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	1.84	3.46	1.58	0.89	1.85	99.98%	99.87%	99.87%	95.35%	99.04%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
TOTAL		1.84	3.46	1.59	0.94	1.87	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Garden Waste, June 2010											
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %				
		1	3	4	5	HAL	1	3	4	5	HAL
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.02%	0.01%
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.02%	0.01%
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Board packaging	0.00	0.00	0.00	0.00	0.01	0.00%	0.00%	0.00%	0.31%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.00	0.01	0.00%	0.00%	0.00%	0.31%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.02	0.00	0.00	0.00	0.00%	0.39%	0.00%	0.00%	0.08%
Dense Plastic	Sub-total	0.00	0.02	0.00	0.00	0.00	0.00%	0.41%	0.00%	0.07%	0.12%
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.04%	0.01%
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%	0.01%
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.05%	0.02%
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.01%
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Furniture	0.00	0.00	0.00	0.15	0.03	0.00%	0.00%	0.00%	5.31%	1.05%
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.07%	0.00%	0.00%	0.02%
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.15	0.03	0.00%	0.07%	0.00%	5.31%	1.08%
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Home Compostable food	0.00	0.02	0.00	0.00	0.00	0.00%	0.39%	0.00%	0.00%	0.09%
	Unused home compostable food	0.00	0.02	0.00	0.00	0.00	0.00%	0.47%	0.00%	0.00%	0.10%
	Non-home compostable food	0.00	0.03	0.00	0.00	0.00	0.00%	0.79%	0.00%	0.00%	0.17%
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Catering	Sub-total	0.00	0.07	0.00	0.00	0.01	0.00%	1.66%	0.00%	0.00%	0.36%
Organic Non-catering	Garden	4.55	4.18	2.06	2.03	2.31	100.00%	94.42%	98.26%	72.95%	87.86%
	Soil	0.00	0.15	0.04	0.60	0.27	0.00%	3.40%	1.74%	21.61%	10.25%
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Organic Non-catering	Sub-total	4.55	4.33	2.10	2.63	2.58	100.00%	97.82%	100.00%	94.56%	98.11%
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL		4.55	4.43	2.10	2.79	2.63	100.00%	100.00%	100.00%	100.00%	100.00%

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Garden Waste, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Magazines	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Other recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Non-recyclable paper	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%	0.01%	
Paper	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.01%	0.01%	
Card	Liquid cartons	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
	Board packaging	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	1.17%	0.31%	
	Card packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other card	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Card	Sub-total	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	1.17%	0.31%	
Dense Plastic	Plastic Bottles:	PET	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.00%
		PET Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
		HDPE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
		HDPE Coloured	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
		Other	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%
	Other packaging	0.00	0.01	0.00	0.00	0.00	0.00%	0.22%	0.00%	0.00%	0.08%	
Other dense plastic	0.00	0.00	0.00	0.00	0.00	0.01%	0.02%	0.04%	0.05%	0.03%		
Dense Plastic	Sub-total	0.00	0.01	0.00	0.00	0.00	0.01%	0.25%	0.04%	0.05%	0.12%	
Plastic Film	Packaging film	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.03%	0.01%	
	Other plastic film	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.02%	0.01%	0.01%	
Plastic Film	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.02%	0.04%	0.02%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.03%	0.00%	0.00%	0.01%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.07	0.03	0.00%	0.00%	0.00%	3.97%	1.05%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.04%	0.00%	0.00%	0.02%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.07	0.03	0.00%	0.07%	0.00%	3.97%	1.08%	
Glass	Glass bottles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Glass jars	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous beverage cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Non-ferrous Metal	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys,Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Home Compostable food	0.00	0.01	0.00	0.00	0.00	0.00%	0.22%	0.00%	0.00%	0.09%	
	Unused home compostable food	0.00	0.01	0.00	0.00	0.00	0.00%	0.27%	0.00%	0.00%	0.10%	
	Non-home compostable food	0.00	0.02	0.00	0.00	0.00	0.00%	0.44%	0.00%	0.00%	0.17%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.04	0.00	0.00	0.01	0.00%	0.93%	0.00%	0.00%	0.36%	
Organic Non-catering	Garden	2.95	3.62	1.69	1.42	2.31	92.33%	91.90%	91.47%	76.50%	87.86%	
	Soil	0.24	0.27	0.16	0.34	0.27	7.67%	6.82%	8.47%	18.26%	10.25%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	3.19	3.89	1.84	1.76	2.58	99.99%	98.72%	99.94%	94.76%	98.11%	
Fines	Material less than 10mm	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Fines	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
TOTAL		3.19	3.94	1.84	1.86	2.63	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Dry Recyclables, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	0.78	1.07	0.72	0.43	0.71	15.42%	20.25%	23.48%	33.72%	21.45%	
	Magazines	0.88	0.37	0.54	0.09	0.39	17.57%	7.02%	17.71%	7.07%	11.77%	
	Other recyclable paper	0.24	0.44	0.40	0.11	0.27	4.74%	8.36%	13.02%	8.48%	8.23%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.02%	0.06%	0.15%	0.00%	0.06%	
	Non-recyclable paper	0.11	0.00	0.06	0.01	0.04	2.22%	0.09%	2.10%	0.80%	1.12%	
Paper	Sub-total	2.01	1.89	1.74	0.64	1.41	39.97%	35.77%	56.47%	50.07%	42.63%	
Card	Liquid cartons	0.02	0.02	0.01	0.00	0.01	0.41%	0.46%	0.17%	0.00%	0.33%	
	Board packaging	0.31	0.34	0.18	0.11	0.22	6.07%	6.54%	6.00%	8.79%	6.64%	
	Card packaging	0.34	0.33	0.13	0.10	0.21	6.68%	6.27%	4.18%	7.92%	6.25%	
	Other card	0.03	0.00	0.01	0.00	0.01	0.52%	0.00%	0.16%	0.16%	0.19%	
Card	Sub-total	0.69	0.70	0.32	0.21	0.44	13.68%	13.27%	10.52%	16.87%	13.41%	
Dense Plastic	Plastic Bottles:	PET	0.17	0.19	0.09	0.04	0.11	3.33%	3.59%	3.04%	3.02%	3.34%
		PET Coloured	0.04	0.01	0.02	0.00	0.02	0.81%	0.23%	0.54%	0.36%	0.46%
		HDPE	0.05	0.09	0.05	0.02	0.05	1.06%	1.68%	1.78%	1.61%	1.52%
		HDPE Coloured	0.04	0.03	0.03	0.01	0.02	0.87%	0.50%	0.85%	0.42%	0.65%
		Other	0.01	0.00	0.00	0.00	0.00	0.15%	0.00%	0.00%	0.06%	0.05%
	Other packaging	0.07	0.02	0.03	0.01	0.03	1.44%	0.45%	1.12%	0.59%	0.86%	
Other dense plastic	0.02	0.01	0.02	0.01	0.01	0.33%	0.14%	0.50%	0.64%	0.33%		
Dense Plastic	Sub-total	0.40	0.35	0.24	0.09	0.24	7.99%	6.59%	7.83%	6.69%	7.20%	
Plastic Film	Packaging film	0.02	0.01	0.01	0.00	0.01	0.36%	0.11%	0.25%	0.24%	0.22%	
	Other plastic film	0.01	0.01	0.01	0.00	0.01	0.13%	0.23%	0.29%	0.25%	0.21%	
Plastic Film	Sub-total	0.02	0.02	0.02	0.01	0.01	0.49%	0.34%	0.53%	0.49%	0.43%	
Textiles	Textiles	0.01	0.00	0.00	0.00	0.00	0.13%	0.01%	0.00%	0.00%	0.04%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Textiles	Sub-total	0.01	0.00	0.00	0.00	0.00	0.13%	0.01%	0.00%	0.00%	0.04%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.02	0.00	0.00	0.00%	0.00%	0.53%	0.00%	0.09%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.11%	0.00%	0.02%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.02	0.00	0.00	0.00%	0.00%	0.64%	0.00%	0.11%	
Glass	Glass bottles	1.39	2.07	0.44	0.22	0.95	27.65%	39.36%	14.29%	17.10%	28.55%	
	Glass jars	0.18	0.00	0.15	0.03	0.07	3.52%	0.00%	4.81%	2.13%	2.11%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Glass	Sub-total	1.57	2.07	0.59	0.24	1.02	31.17%	39.36%	19.10%	19.23%	30.66%	
Miscellaneous Non-combustibles	Construction and demolition	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other misc.non.comb	0.00	0.01	0.00	0.00	0.00	0.00%	0.23%	0.00%	0.00%	0.09%	
Miscellaneous Non-combustibles	Sub-total	0.00	0.01	0.00	0.00	0.00	0.00%	0.23%	0.00%	0.00%	0.09%	
Ferrous Metal	Ferrous food cans	0.11	0.15	0.07	0.04	0.09	2.20%	2.83%	2.35%	3.42%	2.66%	
	Ferrous beverage cans	0.05	0.02	0.02	0.01	0.02	1.07%	0.47%	0.68%	0.91%	0.73%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.05%	0.00%	0.09%	0.00%	0.03%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.07%	0.14%	0.25%	0.09%	
Ferrous Metal	Sub-total	0.17	0.18	0.10	0.06	0.12	3.31%	3.37%	3.26%	4.58%	3.51%	
Non-ferrous Metal	Non-ferrous food cans	0.03	0.00	0.00	0.00	0.01	0.64%	0.00%	0.05%	0.16%	0.20%	
	Non-ferrous beverage cans	0.10	0.05	0.05	0.01	0.04	1.93%	0.92%	1.48%	1.13%	1.32%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.08%	0.00%	0.02%	
	Other non-ferrous metal	0.00	0.00	0.00	0.01	0.00	0.05%	0.04%	0.00%	0.49%	0.10%	
Non-ferrous Metal	Sub-total	0.13	0.05	0.05	0.02	0.05	2.64%	0.96%	1.61%	1.78%	1.65%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.00%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%		
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.00%	0.00%	0.01%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.01%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.03%	0.01%	0.00%	0.00%		
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.08%	0.00%	0.00%	0.29%	0.06%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.08%	0.00%	0.00%	0.03%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.07%	0.00%	0.05%	0.00%	0.03%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.01%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.01	0.00	0.00	0.00	0.00	0.14%	0.09%	0.05%	0.29%	0.12%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Soil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%		
Fines	Material less than 10mm	0.02	0.00	0.00	0.00	0.00	0.44%	0.00%	0.00%	0.00%	0.12%	
Fines	Sub-total	0.02	0.00	0.00	0.00	0.00	0.44%	0.00%	0.00%	0.00%	0.12%	
TOTAL		5.03	5.27	3.08	1.27	3.31	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Dry Recyclables, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	1.23	0.80	0.60	0.12	0.65	24.63%	19.91%	27.04%	15.92%	21.79%	
	Magazines	1.17	1.06	0.12	0.10	0.46	23.37%	26.21%	5.37%	12.61%	15.80%	
	Other recyclable paper	0.08	0.14	0.37	0.05	0.21	1.52%	3.36%	16.72%	6.92%	6.92%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.03%	
	Non-recyclable paper	0.05	0.02	0.01	0.01	0.03	0.92%	0.60%	0.51%	0.73%	0.94%	
Paper	Sub-total	2.52	2.02	1.11	0.28	1.35	50.44%	50.07%	49.64%	36.18%	45.29%	
Card	Liquid cartons	0.00	0.01	0.00	0.00	0.01	0.03%	0.32%	0.12%	0.08%	0.26%	
	Board packaging	0.27	0.23	0.14	0.05	0.19	5.36%	5.74%	6.09%	7.05%	6.27%	
	Card packaging	0.23	0.31	0.10	0.07	0.18	4.59%	7.61%	4.30%	8.69%	6.21%	
	Other card	0.01	0.01	0.00	0.01	0.01	0.14%	0.28%	0.00%	1.34%	0.24%	
Card	Sub-total	0.51	0.56	0.23	0.13	0.39	10.12%	13.94%	10.51%	17.17%	12.98%	
Dense Plastic	Plastic Bottles:	PET	0.14	0.11	0.06	0.03	0.09	2.87%	2.75%	2.67%	3.82%	3.14%
		PET Coloured	0.03	0.01	0.01	0.00	0.01	0.58%	0.21%	0.36%	0.25%	0.42%
		HDPE	0.09	0.07	0.05	0.02	0.05	1.80%	1.69%	2.29%	2.33%	1.69%
		HDPE Coloured	0.01	0.02	0.01	0.00	0.02	0.26%	0.55%	0.23%	0.44%	0.53%
		Other	0.01	0.01	0.00	0.00	0.00	0.12%	0.28%	0.09%	0.15%	0.11%
	Other packaging	0.03	0.03	0.02	0.01	0.02	0.65%	0.66%	0.80%	0.85%	0.79%	
	Other dense plastic	0.06	0.00	0.01	0.00	0.01	1.12%	0.09%	0.55%	0.10%	0.41%	
Dense Plastic	Sub-total	0.37	0.25	0.16	0.06	0.21	7.39%	6.25%	6.98%	7.94%	7.09%	
Plastic Film	Packaging film	0.01	0.01	0.00	0.00	0.01	0.12%	0.14%	0.22%	0.36%	0.20%	
	Other plastic film	0.01	0.00	0.01	0.00	0.01	0.27%	0.03%	0.26%	0.48%	0.21%	
Plastic Film	Sub-total	0.02	0.01	0.01	0.01	0.01	0.39%	0.17%	0.48%	0.84%	0.41%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.02%	0.02%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.29%	0.01%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.31%	0.04%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.50%	0.08%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.03%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.01%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.29%	0.01%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.82%	0.10%	
Glass	Glass bottles	1.30	0.83	0.50	0.10	0.76	26.05%	20.58%	22.35%	13.50%	25.62%	
	Glass jars	0.15	0.11	0.08	0.02	0.07	2.94%	2.66%	3.50%	3.26%	2.48%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.06%	0.00%	0.00%	0.00%	0.01%	
Glass	Sub-total	1.45	0.94	0.58	0.13	0.84	29.06%	23.24%	25.85%	16.75%	28.11%	
Miscellaneous Non-combustibles	Construction and demolition	0.01	0.00	0.00	0.01	0.00	0.24%	0.00%	0.00%	0.85%	0.08%	
	Other misc.non.comb	0.01	0.00	0.00	0.00	0.00	0.11%	0.00%	0.00%	0.00%	0.07%	
Miscellaneous Non-combustibles	Sub-total	0.02	0.00	0.00	0.01	0.00	0.35%	0.00%	0.00%	0.85%	0.15%	
Ferrous Metal	Ferrous food cans	0.03	0.12	0.06	0.02	0.07	0.53%	3.01%	2.66%	2.90%	2.41%	
	Ferrous beverage cans	0.03	0.06	0.01	0.03	0.03	0.53%	1.47%	0.64%	3.84%	0.97%	
	Ferrous aerosols	0.00	0.00	0.01	0.00	0.00	0.03%	0.00%	0.30%	0.05%	0.04%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.03%	0.00%	0.06%	
Ferrous Metal	Sub-total	0.06	0.18	0.08	0.05	0.10	1.12%	4.47%	3.64%	6.79%	3.49%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.22%	0.10%	0.13%	
	Non-ferrous beverage cans	0.05	0.06	0.04	0.01	0.04	0.94%	1.39%	1.63%	1.44%	1.31%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.08%	0.02%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.11%	0.01%	0.07%	
Non-ferrous Metal	Sub-total	0.05	0.06	0.04	0.01	0.05	0.94%	1.42%	1.95%	1.62%	1.52%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.07%	0.00%	0.00%	0.00%	0.01%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.00%	0.01%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.01	0.00	0.00	0.00	0.00%	0.17%	0.00%	0.00%	0.03%	
WEEE	Sub-total	0.00	0.01	0.00	0.00	0.00	0.07%	0.22%	0.00%	0.00%	0.05%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.00%	0.00%	0.01%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.01%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.04%	0.00%	0.00%	0.00%	0.01%	
Organic Catering	Home Compostable food	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.43%	0.38%	0.08%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.02%	
	Non-home compostable food	0.00	0.01	0.00	0.00	0.00	0.00%	0.17%	0.19%	0.54%	0.08%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.01	0.01	0.01	0.01	0.00%	0.17%	0.62%	0.92%	0.19%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.02	0.00	0.00%	0.00%	0.00%	2.55%	0.12%	
	Soil	0.00	0.00	0.00	0.05	0.01	0.00%	0.00%	0.00%	6.02%	0.29%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.07	0.01	0.00%	0.00%	0.00%	8.58%	0.41%	
Fines	Material less than 10mm	0.00	0.00	0.01	0.01	0.00	0.09%	0.03%	0.31%	1.22%	0.17%	
Fines	Sub-total	0.00	0.00	0.01	0.01	0.00	0.09%	0.03%	0.31%	1.22%	0.17%	
TOTAL		5.00	4.04	2.23	0.77	2.98	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Dry Recyclables, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	1.00	0.94	0.66	0.28	0.65	20.01%	20.10%	24.98%	27.03%	21.79%	
	Magazines	1.03	0.71	0.33	0.09	0.46	20.46%	15.34%	12.52%	9.15%	15.80%	
	Other recyclable paper	0.16	0.29	0.39	0.08	0.21	3.13%	6.19%	14.58%	7.89%	6.92%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.01%	0.03%	0.09%	0.00%	0.03%	
	Non-recyclable paper	0.08	0.01	0.04	0.01	0.03	1.57%	0.31%	1.43%	0.78%	0.94%	
Paper	Sub-total	2.26	1.95	1.42	0.46	1.35	45.19%	41.98%	53.59%	44.85%	45.29%	
Card	Liquid cartons	0.01	0.02	0.00	0.00	0.01	0.22%	0.40%	0.15%	0.03%	0.26%	
	Board packaging	0.29	0.29	0.16	0.08	0.19	5.71%	6.19%	6.04%	8.14%	6.27%	
	Card packaging	0.28	0.32	0.11	0.08	0.18	5.64%	6.85%	4.23%	8.21%	6.21%	
	Other card	0.02	0.01	0.00	0.01	0.01	0.33%	0.12%	0.09%	0.60%	0.24%	
Card	Sub-total	0.60	0.63	0.28	0.17	0.39	11.90%	13.56%	10.51%	16.98%	12.98%	
Dense Plastic	Plastic Bottles:	PET	0.16	0.15	0.08	0.03	0.09	3.10%	3.23%	2.88%	3.32%	3.14%
		PET Coloured	0.03	0.01	0.01	0.00	0.01	0.69%	0.22%	0.46%	0.32%	0.42%
		HDPE	0.07	0.08	0.05	0.02	0.05	1.43%	1.69%	1.99%	1.88%	1.69%
		HDPE Coloured	0.03	0.02	0.02	0.00	0.02	0.57%	0.52%	0.59%	0.43%	0.53%
		Other	0.01	0.01	0.00	0.00	0.00	0.13%	0.12%	0.04%	0.09%	0.11%
	Other packaging	0.05	0.03	0.03	0.01	0.02	1.05%	0.54%	0.99%	0.69%	0.79%	
Other dense plastic	0.04	0.01	0.01	0.00	0.01	0.73%	0.12%	0.53%	0.44%	0.41%		
Dense Plastic	Sub-total	0.39	0.30	0.20	0.07	0.21	7.69%	6.44%	7.48%	7.16%	7.09%	
Plastic Film	Packaging film	0.01	0.01	0.01	0.00	0.01	0.24%	0.12%	0.24%	0.29%	0.20%	
	Other plastic film	0.01	0.01	0.01	0.00	0.01	0.20%	0.14%	0.28%	0.34%	0.21%	
Plastic Film	Sub-total	0.02	0.01	0.01	0.01	0.01	0.44%	0.27%	0.51%	0.62%	0.41%	
Textiles	Textiles	0.00	0.00	0.00	0.00	0.00	0.07%	0.00%	0.00%	0.01%	0.02%	
	Shoes	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.11%	0.01%	
Textiles	Sub-total	0.00	0.00	0.00	0.00	0.00	0.07%	0.00%	0.00%	0.12%	0.04%	
Miscellaneous Combustibles	Treated wood	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.31%	0.19%	0.08%	
	Untreated wood	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.01%	0.00%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.06%	0.00%	0.01%	
	Other misc. comb.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.11%	0.01%	
	Carpet and underlay	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Miscellaneous Combustibles	Sub-total	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.37%	0.31%	0.10%	
Glass	Glass bottles	1.35	1.45	0.47	0.16	0.76	26.86%	31.21%	17.68%	15.74%	25.62%	
	Glass jars	0.16	0.05	0.11	0.03	0.07	3.23%	1.15%	4.26%	2.55%	2.48%	
	Other glass	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.00%	0.00%	0.01%	
Glass	Sub-total	1.51	1.51	0.58	0.19	0.84	30.12%	32.37%	21.94%	18.30%	28.11%	
Miscellaneous Non-combustibles	Construction and demolition	0.01	0.00	0.00	0.00	0.00	0.12%	0.00%	0.00%	0.32%	0.08%	
	Other misc.non.comb	0.00	0.01	0.00	0.00	0.00	0.05%	0.13%	0.00%	0.00%	0.07%	
Miscellaneous Non-combustibles	Sub-total	0.01	0.01	0.00	0.00	0.00	0.17%	0.13%	0.00%	0.32%	0.15%	
Ferrous Metal	Ferrous food cans	0.07	0.14	0.07	0.03	0.07	1.37%	2.91%	2.48%	3.23%	2.41%	
	Ferrous beverage cans	0.04	0.04	0.02	0.02	0.03	0.80%	0.90%	0.66%	2.01%	0.97%	
	Ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.04%	0.00%	0.18%	0.02%	0.04%	
	Other ferrous metal	0.00	0.00	0.00	0.00	0.00	0.02%	0.04%	0.10%	0.15%	0.06%	
Ferrous Metal	Sub-total	0.11	0.18	0.09	0.06	0.10	2.22%	3.85%	3.42%	5.41%	3.49%	
Non-ferrous Metal	Non-ferrous food cans	0.02	0.00	0.00	0.00	0.00	0.32%	0.00%	0.12%	0.14%	0.13%	
	Non-ferrous beverage cans	0.07	0.05	0.04	0.01	0.04	1.44%	1.13%	1.54%	1.24%	1.31%	
	Non-ferrous aerosols	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.04%	0.03%	0.02%	
	Other non-ferrous metal	0.00	0.00	0.00	0.00	0.00	0.02%	0.03%	0.05%	0.31%	0.07%	
Non-ferrous Metal	Sub-total	0.09	0.05	0.05	0.02	0.05	1.79%	1.16%	1.75%	1.72%	1.52%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Consumer Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.00%	0.00%	0.01%	
	Lighting	0.00	0.00	0.00	0.00	0.00	0.00%	0.02%	0.00%	0.00%	0.01%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.00	0.00	0.00	0.00	0.01%	0.07%	0.00%	0.00%	0.03%	
WEEE	Sub-total	0.00	0.00	0.00	0.00	0.00	0.04%	0.10%	0.00%	0.00%	0.05%	
Hazardous	Household batteries	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.00%	0.00%	0.01%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.00	0.00	0.00	0.01%	0.01%	0.00%	0.00%	0.01%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Hazardous	Sub-total	0.00	0.00	0.00	0.00	0.00	0.04%	0.01%	0.00%	0.00%	0.01%	
Organic Catering	Home Compostable food	0.00	0.00	0.00	0.00	0.00	0.04%	0.00%	0.18%	0.33%	0.08%	
	Unused home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.05%	0.00%	0.00%	0.02%	
	Non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.03%	0.07%	0.11%	0.20%	0.08%	
	Unused non-home compostable food	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Catering	Sub-total	0.00	0.01	0.01	0.01	0.01	0.07%	0.12%	0.29%	0.53%	0.19%	
Organic Non-catering	Garden	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.96%	0.12%	
	Soil	0.00	0.00	0.00	0.02	0.01	0.00%	0.00%	0.00%	2.26%	0.29%	
	Other organic	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
Organic Non-catering	Sub-total	0.00	0.00	0.00	0.03	0.01	0.00%	0.00%	0.00%	3.22%	0.41%	
Fines	Material less than 10mm	0.01	0.00	0.00	0.00	0.00	0.26%	0.01%	0.13%	0.46%	0.17%	
Fines	Sub-total	0.01	0.00	0.00	0.00	0.00	0.26%	0.01%	0.13%	0.46%	0.17%	
TOTAL		5.01	4.65	2.66	1.02	2.98	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Combined Kerbside Waste Streams, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	0.85	1.29	0.87	0.94	1.00	3.68%	5.73%	5.69%	6.69%	5.53%	
	Magazines	1.18	0.61	0.58	0.28	0.58	5.12%	2.72%	3.77%	2.02%	3.23%	
	Other recyclable paper	0.85	0.78	0.85	0.72	0.79	3.68%	3.47%	5.56%	5.16%	4.35%	
	Paper packaging	0.00	0.01	0.01	0.02	0.01	0.00%	0.06%	0.06%	0.14%	0.07%	
	Non-recyclable paper	0.98	0.85	0.52	0.24	0.58	4.24%	3.78%	3.39%	1.73%	3.23%	
Paper	Sub-total	3.86	3.55	2.84	2.21	2.97	16.72%	15.76%	18.47%	15.74%	16.41%	
Card	Liquid cartons	0.06	0.08	0.04	0.06	0.06	0.27%	0.38%	0.26%	0.41%	0.34%	
	Board packaging	0.70	0.60	0.27	0.65	0.57	3.05%	2.66%	1.78%	4.63%	3.18%	
	Card packaging	0.70	0.65	0.42	0.51	0.56	3.05%	2.88%	2.76%	3.61%	3.11%	
	Other card	0.03	0.10	0.03	0.03	0.04	0.11%	0.44%	0.17%	0.19%	0.25%	
Card	Sub-total	1.50	1.43	0.76	1.24	1.24	6.48%	6.36%	4.96%	8.83%	6.88%	
Dense Plastic	Plastic Bottles:	PET	0.36	0.37	0.20	0.22	0.28	1.58%	1.66%	1.31%	1.56%	1.55%
		PET Coloured	0.07	0.02	0.03	0.04	0.04	0.29%	0.09%	0.20%	0.27%	0.20%
		HDPE	0.15	0.15	0.07	0.08	0.11	0.66%	0.68%	0.47%	0.54%	0.60%
		HDPE Coloured	0.15	0.12	0.06	0.05	0.09	0.63%	0.55%	0.40%	0.39%	0.50%
		Other	0.01	0.00	0.08	0.01	0.02	0.03%	0.02%	0.52%	0.10%	0.13%
	Other packaging	0.87	0.49	0.35	0.35	0.48	3.79%	2.16%	2.28%	2.47%	2.64%	
Dense Plastic	Sub-total	2.05	1.55	1.30	1.24	1.47	8.86%	6.87%	8.43%	8.83%	8.14%	
Plastic Film	Packaging film	0.57	0.48	0.42	0.41	0.46	2.49%	2.15%	2.73%	2.95%	2.55%	
	Other plastic film	0.48	0.37	0.26	0.33	0.35	2.06%	1.64%	1.68%	2.36%	1.95%	
Plastic Film	Sub-total	1.05	0.85	0.68	0.74	0.81	4.55%	3.78%	4.41%	5.31%	4.50%	
Textiles	Textiles	0.60	0.56	0.25	0.61	0.53	2.59%	2.48%	1.64%	4.38%	2.92%	
	Shoes	0.08	0.16	0.01	0.02	0.07	0.36%	0.72%	0.07%	0.16%	0.37%	
Textiles	Sub-total	0.68	0.72	0.26	0.64	0.60	2.95%	3.20%	1.71%	4.54%	3.29%	
Miscellaneous Combustibles	Treated wood	0.16	0.05	0.02	0.17	0.11	0.71%	0.20%	0.11%	1.24%	0.60%	
	Untreated wood	0.00	0.00	0.00	0.09	0.03	0.00%	0.00%	0.00%	0.64%	0.19%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Nappies/ Sanitary	0.40	0.81	0.56	0.14	0.44	1.71%	3.60%	3.62%	0.98%	2.41%	
	Other misc. comb.	0.58	0.02	0.01	0.17	0.18	2.53%	0.10%	0.07%	1.23%	0.97%	
	Carpet and underlay	0.00	0.07	0.04	0.00	0.03	0.00%	0.32%	0.23%	0.00%	0.14%	
Miscellaneous Combustibles	Sub-total	1.14	0.95	0.62	0.57	0.78	4.95%	4.22%	4.04%	4.09%	4.32%	
Glass	Glass bottles	1.75	2.45	0.91	0.58	1.33	7.59%	10.86%	5.95%	4.17%	7.38%	
	Glass jars	0.71	0.26	0.24	0.29	0.35	3.08%	1.15%	1.55%	2.06%	1.92%	
	Other glass	0.00	0.04	0.02	0.02	0.02	0.00%	0.19%	0.10%	0.11%	0.11%	
Glass	Sub-total	2.46	2.75	1.17	0.89	1.70	10.67%	12.20%	7.61%	6.35%	9.41%	
Miscellaneous Non-combustibles	Construction and demolition	0.13	0.31	0.33	0.00	0.17	0.55%	1.38%	2.14%	0.00%	0.92%	
	Other misc.non.comb	0.00	0.11	0.01	0.09	0.06	0.00%	0.51%	0.09%	0.61%	0.35%	
Miscellaneous Non-combustibles	Sub-total	0.13	0.43	0.34	0.09	0.23	0.55%	1.89%	2.22%	0.61%	1.27%	
Ferrous Metal	Ferrous food cans	0.47	0.34	0.34	0.39	0.38	2.03%	1.52%	2.23%	2.78%	2.12%	
	Ferrous beverage cans	0.09	0.05	0.06	0.07	0.07	0.40%	0.22%	0.39%	0.49%	0.37%	
	Ferrous aerosols	0.05	0.03	0.04	0.04	0.04	0.24%	0.14%	0.24%	0.29%	0.22%	
	Other ferrous metal	0.08	0.17	0.03	0.23	0.15	0.34%	0.75%	0.19%	1.67%	0.84%	
Ferrous Metal	Sub-total	0.70	0.59	0.47	0.73	0.64	3.02%	2.64%	3.04%	5.24%	3.54%	
Non-ferrous Metal	Non-ferrous food cans	0.12	0.00	0.01	0.01	0.03	0.50%	0.02%	0.06%	0.06%	0.15%	
	Non-ferrous beverage cans	0.13	0.08	0.10	0.06	0.09	0.55%	0.37%	0.65%	0.42%	0.47%	
	Non-ferrous aerosols	0.08	0.01	0.01	0.04	0.03	0.35%	0.05%	0.05%	0.27%	0.18%	
	Other non-ferrous metal	0.25	0.13	0.08	0.02	0.10	1.07%	0.56%	0.50%	0.15%	0.55%	
Non-ferrous Metal	Sub-total	0.57	0.23	0.19	0.12	0.24	2.47%	1.00%	1.26%	0.89%	1.35%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.00	0.18	0.00	0.04	0.00%	0.00%	1.20%	0.00%	0.19%	
	IT & Telecoms Equip.	0.00	0.14	0.00	0.31	0.15	0.00%	0.64%	0.00%	2.22%	0.85%	
	Consumer Equip.	0.09	0.05	0.04	0.23	0.12	0.40%	0.20%	0.26%	1.66%	0.68%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Lighting	0.04	0.24	0.08	0.00	0.08	0.19%	1.08%	0.49%	0.00%	0.47%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.00	0.02	0.00	0.09	0.04	0.00%	0.07%	0.00%	0.62%	0.20%	
WEEE	Sub-total	0.14	0.45	0.30	0.63	0.43	0.60%	1.99%	1.95%	4.50%	2.39%	
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.06%	0.02%	0.07%	0.02%	0.04%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.02	0.01	0.01	0.01	0.01	0.08%	0.03%	0.04%	0.10%	0.07%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.00	0.17	0.00	0.02	0.05	0.00%	0.76%	0.00%	0.12%	0.28%	
Hazardous	Sub-total	0.03	0.18	0.02	0.03	0.07	0.14%	0.82%	0.11%	0.25%	0.38%	
Organic Catering	Home Compostable food	1.82	1.35	1.48	0.95	1.31	7.89%	6.00%	9.59%	6.76%	7.24%	
	Unused home compostable food	1.05	0.68	0.67	0.44	0.65	4.57%	3.02%	4.35%	3.13%	3.62%	
	Non-home compostable food	1.88	1.02	1.57	0.79	1.19	8.12%	4.55%	10.24%	5.66%	6.61%	
	Unused non-home compostable food	1.21	0.44	0.22	0.79	0.67	5.26%	1.94%	1.42%	5.65%	3.69%	
Organic Catering	Sub-total	5.97	3.49	3.94	2.97	3.82	25.84%	15.51%	25.61%	21.20%	21.15%	
Organic Non-catering	Garden	1.41	3.85	1.33	0.82	1.80	6.10%	17.09%	8.62%	5.82%	9.95%	
	Soil	0.49	0.39	0.28	0.08	0.27	2.12%	1.72%	1.79%	0.56%	1.49%	
	Other organic	0.43	0.47	0.32	0.62	0.49	1.84%	2.09%	2.11%	4.39%	2.70%	
Organic Non-catering	Sub-total	2.32	4.71	1.93	1.51	2.56	10.06%	20.89%	12.52%	10.77%	14.13%	
Fines	Material less than 10mm	0.49	0.65	0.56	0.40	0.51	2.13%	2.87%	3.65%	2.87%	2.83%	
	Fines	Sub-total	0.49	0.65	0.56	0.40	0.51	2.13%	2.87%	3.65%	2.87%	2.83%
TOTAL		23.08	22.53	15.38	14.03	18.08	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Combined Kerbside Waste Streams, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	1.41	0.89	0.75	0.50	0.81	5.62%	4.01%	5.65%	3.47%	4.47%	
	Magazines	1.50	1.30	0.14	0.25	0.72	5.98%	5.84%	1.09%	1.74%	3.98%	
	Other recyclable paper	0.34	0.41	0.63	0.17	0.35	1.36%	1.82%	4.76%	1.20%	1.94%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	1.17	0.75	0.38	0.38	0.62	4.69%	3.38%	2.87%	2.60%	3.40%	
Paper	Sub-total	4.42	3.36	1.91	1.31	2.50	17.66%	15.05%	14.37%	9.02%	13.79%	
Card	Liquid cartons	0.03	0.08	0.03	0.04	0.05	0.12%	0.35%	0.22%	0.28%	0.25%	
	Board packaging	0.41	0.44	0.22	0.40	0.38	1.62%	1.99%	1.63%	2.79%	2.09%	
	Card packaging	0.45	0.93	0.45	0.49	0.59	1.78%	4.17%	3.36%	3.41%	3.24%	
	Other card	0.04	0.09	0.00	0.03	0.04	0.15%	0.38%	0.00%	0.22%	0.22%	
Card	Sub-total	0.92	1.54	0.69	0.97	1.05	3.67%	6.89%	5.21%	6.69%	5.80%	
Dense Plastic	Plastic Bottles:	PET	0.37	0.31	0.13	0.24	0.26	1.48%	1.41%	0.95%	1.64%	1.43%
		PET Coloured	0.14	0.03	0.03	0.03	0.05	0.56%	0.13%	0.19%	0.20%	0.26%
		HDPE	0.19	0.18	0.09	0.10	0.13	0.76%	0.82%	0.68%	0.67%	0.74%
		HDPE Coloured	0.07	0.06	0.04	0.07	0.06	0.28%	0.26%	0.31%	0.52%	0.35%
		Other	0.02	0.05	0.08	0.06	0.06	0.07%	0.23%	0.63%	0.44%	0.31%
	Other packaging	0.65	0.65	0.36	0.32	0.47	2.60%	2.90%	2.74%	2.19%	2.59%	
Other dense plastic	0.24	0.40	0.11	0.21	0.24	0.97%	1.79%	0.79%	1.43%	1.34%		
Dense Plastic	Sub-total	1.68	1.68	0.84	1.03	1.28	6.73%	7.54%	6.30%	7.09%	7.03%	
Plastic Film	Packaging film	0.56	0.58	0.23	0.24	0.38	2.22%	2.61%	1.71%	1.67%	2.11%	
	Other plastic film	0.46	0.48	0.35	0.31	0.39	1.85%	2.15%	2.62%	2.17%	2.15%	
Plastic Film	Sub-total	1.02	1.06	0.58	0.56	0.77	4.08%	4.76%	4.33%	3.84%	4.26%	
Textiles	Textiles	0.46	0.90	0.36	0.30	0.49	1.83%	4.02%	2.72%	2.10%	2.73%	
	Shoes	0.07	0.05	0.10	0.05	0.06	0.26%	0.24%	0.77%	0.36%	0.35%	
Textiles	Sub-total	0.52	0.95	0.46	0.36	0.56	2.09%	4.26%	3.49%	2.46%	3.08%	
Miscellaneous Combustibles	Treated wood	0.00	0.03	0.50	0.01	0.11	0.00%	0.14%	3.74%	0.08%	0.59%	
	Untreated wood	0.00	0.04	0.02	0.00	0.02	0.00%	0.19%	0.17%	0.03%	0.09%	
	Furniture	0.00	0.00	0.00	0.15	0.06	0.00%	0.00%	0.00%	1.02%	0.30%	
	Nappies/ Sanitary	0.08	0.36	0.39	0.54	0.38	0.30%	1.60%	2.97%	3.70%	2.10%	
	Other misc. comb.	0.05	0.27	0.07	0.05	0.11	0.19%	1.20%	0.55%	0.37%	0.61%	
	Carpet and underlay	0.00	0.30	0.00	0.00	0.08	0.00%	1.35%	0.00%	0.00%	0.43%	
Miscellaneous Combustibles	Sub-total	0.12	1.00	0.99	0.75	0.75	0.49%	4.48%	7.44%	5.21%	4.13%	
Glass	Glass bottles	2.50	1.09	0.63	0.71	1.11	9.99%	4.86%	4.74%	4.93%	6.12%	
	Glass jars	0.44	0.27	0.11	0.17	0.23	1.76%	1.20%	0.86%	1.16%	1.28%	
	Other glass	0.13	0.09	0.00	0.04	0.06	0.51%	0.40%	0.00%	0.26%	0.33%	
Glass	Sub-total	3.07	1.44	0.74	0.92	1.40	12.26%	6.47%	5.60%	6.35%	7.73%	
Miscellaneous Non-combustibles	Construction and demolition	0.27	0.03	0.00	0.19	0.13	1.09%	0.13%	0.00%	1.33%	0.71%	
	Other misc.non.comb	0.01	0.10	0.20	0.22	0.15	0.02%	0.47%	1.53%	1.51%	0.82%	
Miscellaneous Non-combustibles	Sub-total	0.28	0.13	0.20	0.41	0.28	1.11%	0.60%	1.53%	2.84%	1.52%	
Ferrous Metal	Ferrous food cans	0.30	0.33	0.30	0.17	0.26	1.19%	1.50%	2.23%	1.17%	1.42%	
	Ferrous beverage cans	0.13	0.17	0.02	0.09	0.10	0.50%	0.77%	0.18%	0.60%	0.57%	
	Ferrous aerosols	0.01	0.04	0.03	0.10	0.06	0.06%	0.17%	0.23%	0.70%	0.31%	
	Other ferrous metal	0.01	0.03	0.00	0.03	0.02	0.03%	0.13%	0.01%	0.18%	0.10%	
Ferrous Metal	Sub-total	0.45	0.57	0.35	0.38	0.44	1.78%	2.57%	2.65%	2.65%	2.41%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.01	0.01	0.00	0.01	0.04%	0.02%	0.08%	0.02%	0.03%	
	Non-ferrous beverage cans	0.11	0.19	0.05	0.05	0.10	0.45%	0.86%	0.40%	0.35%	0.55%	
	Non-ferrous aerosols	0.01	0.04	0.00	0.03	0.02	0.04%	0.16%	0.00%	0.22%	0.13%	
	Other non-ferrous metal	0.16	0.12	0.05	0.05	0.09	0.65%	0.53%	0.41%	0.37%	0.50%	
Non-ferrous Metal	Sub-total	0.30	0.35	0.12	0.14	0.22	1.19%	1.58%	0.89%	0.95%	1.20%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.08	0.00	0.00	0.02	0.00%	0.37%	0.00%	0.00%	0.12%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.01	0.00	0.00%	0.00%	0.00%	0.04%	0.01%	
	Consumer Equip.	0.26	0.25	0.00	0.00	0.11	1.05%	1.11%	0.00%	0.00%	0.61%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.04	0.07	0.05	0.02	0.04	0.17%	0.30%	0.39%	0.12%	0.23%	
	Lighting	0.05	0.01	0.11	0.00	0.03	0.19%	0.05%	0.83%	0.02%	0.18%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.01	0.01	0.00%	0.00%	0.00%	0.10%	0.03%	
	Other WEEE	0.09	0.03	0.00	0.00	0.02	0.34%	0.12%	0.00%	0.02%	0.13%	
WEEE	Sub-total	0.44	0.43	0.16	0.04	0.24	1.76%	1.95%	1.23%	0.31%	1.31%	
Hazardous	Household batteries	0.01	0.01	0.00	0.01	0.01	0.02%	0.05%	0.00%	0.04%	0.03%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.00	0.00	0.01	0.02	0.01	0.02%	0.01%	0.06%	0.14%	0.06%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.02	0.07	0.21	0.02	0.07	0.08%	0.32%	1.55%	0.12%	0.37%	
Hazardous	Sub-total	0.03	0.09	0.21	0.04	0.08	0.12%	0.38%	1.61%	0.30%	0.47%	
Organic Catering	Home Compostable food	1.78	1.87	0.93	0.66	1.22	7.12%	8.38%	7.01%	4.54%	6.73%	
	Unused home compostable food	1.16	0.70	0.63	0.84	0.82	4.64%	3.16%	4.73%	5.81%	4.53%	
	Non-home compostable food	1.82	1.16	1.27	0.64	1.10	7.28%	5.22%	9.57%	4.39%	6.09%	
	Unused non-home compostable food	1.70	1.20	0.87	1.64	1.39	6.79%	5.38%	6.57%	11.33%	7.67%	
Organic Catering	Sub-total	6.46	4.94	3.71	3.77	4.54	25.84%	22.13%	27.88%	26.07%	25.02%	
Organic Non-catering	Garden	4.74	4.21	2.21	2.72	3.37	18.94%	18.67%	16.67%	18.82%	18.57%	
	Soil	0.18	0.16	0.04	0.84	0.39	0.70%	0.73%	0.27%	5.79%	2.17%	
	Other organic	0.15	0.25	0.00	0.07	0.12	0.61%	1.14%	0.00%	0.47%	0.65%	
Organic Non-catering	Sub-total	5.07	4.63	2.25	3.63	3.88	20.26%	20.74%	16.94%	25.08%	21.38%	
Fines	Material less than 10mm	0.24	0.14	0.07	0.17	0.15	0.96%	0.61%	0.53%	1.15%	0.85%	
Fines	Sub-total	0.24	0.14	0.07	0.17	0.15	0.96%	0.61%	0.53%	1.15%	0.85%	
TOTAL		25.02	22.31	13.29	14.47	18.14	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton Combined Kerbside Waste Streams, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		1	3	4	5	HAL	1	3	4	5	HAL	
Paper	Newspapers	1.13	1.09	0.81	0.72	0.91	4.69%	4.87%	5.67%	5.05%	5.00%	
	Magazines	1.34	0.96	0.36	0.27	0.65	5.57%	4.27%	2.53%	1.88%	3.81%	
	Other recyclable paper	0.60	0.59	0.74	0.45	0.57	2.48%	2.65%	5.19%	3.15%	3.14%	
	Paper packaging	0.00	0.01	0.00	0.01	0.01	0.00%	0.03%	0.03%	0.07%	0.04%	
	Non-recyclable paper	1.08	0.80	0.45	0.31	0.60	4.48%	3.58%	3.15%	2.18%	3.31%	
Paper	Sub-total	4.14	3.45	2.37	1.76	2.73	17.21%	15.40%	16.57%	12.32%	15.10%	
Card	Liquid cartons	0.05	0.08	0.03	0.05	0.05	0.19%	0.36%	0.24%	0.34%	0.30%	
	Board packaging	0.55	0.52	0.25	0.53	0.48	2.31%	2.33%	1.71%	3.69%	2.63%	
	Card packaging	0.57	0.79	0.44	0.50	0.57	2.39%	3.52%	3.04%	3.51%	3.18%	
	Other card	0.03	0.09	0.01	0.03	0.04	0.13%	0.41%	0.09%	0.20%	0.24%	
Card	Sub-total	1.21	1.48	0.73	1.10	1.15	5.02%	6.62%	5.08%	7.74%	6.34%	
Dense Plastic	Plastic Bottles:	PET	0.37	0.34	0.16	0.23	0.27	1.53%	1.53%	1.15%	1.60%	1.49%
		PET Coloured	0.10	0.02	0.03	0.03	0.04	0.43%	0.11%	0.20%	0.23%	0.23%
		HDPE	0.17	0.17	0.08	0.09	0.12	0.71%	0.75%	0.57%	0.61%	0.67%
		HDPE Coloured	0.11	0.09	0.05	0.06	0.08	0.45%	0.41%	0.36%	0.45%	0.42%
		Other	0.01	0.03	0.08	0.04	0.04	0.05%	0.12%	0.57%	0.27%	0.22%
	Other packaging	0.76	0.57	0.36	0.33	0.47	3.17%	2.53%	2.49%	2.33%	2.62%	
Other dense plastic	0.34	0.39	0.30	0.35	0.35	1.41%	1.75%	2.11%	2.45%	1.93%		
Dense Plastic	Sub-total	1.87	1.61	1.07	1.13	1.37	7.76%	7.20%	7.44%	7.94%	7.59%	
Plastic Film	Packaging film	0.57	0.53	0.32	0.33	0.42	2.35%	2.38%	2.26%	2.30%	2.33%	
	Other plastic film	0.47	0.42	0.30	0.32	0.37	1.95%	1.89%	2.12%	2.26%	2.05%	
Plastic Film	Sub-total	1.04	0.96	0.63	0.65	0.79	4.30%	4.27%	4.37%	4.56%	4.38%	
Textiles	Textiles	0.53	0.73	0.31	0.46	0.51	2.19%	3.25%	2.14%	3.22%	2.82%	
	Shoes	0.07	0.11	0.06	0.04	0.07	0.31%	0.48%	0.40%	0.26%	0.36%	
Textiles	Sub-total	0.60	0.84	0.36	0.50	0.58	2.50%	3.73%	2.53%	3.49%	3.19%	
Miscellaneous Combustibles	Treated wood	0.08	0.04	0.26	0.09	0.11	0.34%	0.17%	1.79%	0.65%	0.60%	
	Untreated wood	0.00	0.02	0.01	0.05	0.03	0.00%	0.10%	0.08%	0.33%	0.14%	
	Furniture	0.00	0.00	0.00	0.07	0.03	0.00%	0.00%	0.00%	0.52%	0.15%	
	Nappies/ Sanitary	0.24	0.58	0.48	0.34	0.41	0.98%	2.60%	3.32%	2.36%	2.26%	
	Other misc. comb.	0.32	0.14	0.04	0.11	0.14	1.31%	0.64%	0.30%	0.79%	0.79%	
	Carpet and underlay	0.00	0.19	0.02	0.00	0.05	0.00%	0.83%	0.12%	0.00%	0.28%	
Miscellaneous Combustibles	Sub-total	0.63	0.97	0.80	0.66	0.76	2.63%	4.35%	5.61%	4.66%	4.22%	
Glass	Glass bottles	2.13	1.77	0.77	0.65	1.22	8.84%	7.88%	5.39%	4.55%	6.75%	
	Glass jars	0.58	0.26	0.18	0.23	0.29	2.39%	1.17%	1.23%	1.61%	1.60%	
	Other glass	0.06	0.07	0.01	0.03	0.04	0.26%	0.30%	0.05%	0.19%	0.22%	
Glass	Sub-total	2.76	2.10	0.96	0.90	1.55	11.50%	9.35%	6.67%	6.35%	8.57%	
Miscellaneous Non-combustibles	Construction and demolition	0.20	0.17	0.16	0.10	0.15	0.83%	0.76%	1.15%	0.68%	0.81%	
	Other misc.non.comb	0.00	0.11	0.11	0.15	0.11	0.01%	0.49%	0.75%	1.07%	0.59%	
Miscellaneous Non-combustibles	Sub-total	0.20	0.28	0.27	0.25	0.25	0.84%	1.25%	1.90%	1.74%	1.40%	
Ferrous Metal	Ferrous food cans	0.38	0.34	0.32	0.28	0.32	1.59%	1.51%	2.23%	1.96%	1.77%	
	Ferrous beverage cans	0.11	0.11	0.04	0.08	0.09	0.45%	0.50%	0.29%	0.55%	0.47%	
	Ferrous aerosols	0.03	0.03	0.03	0.07	0.05	0.14%	0.16%	0.24%	0.50%	0.27%	
	Other ferrous metal	0.04	0.10	0.02	0.13	0.08	0.18%	0.44%	0.10%	0.91%	0.47%	
Ferrous Metal	Sub-total	0.57	0.58	0.41	0.56	0.54	2.37%	2.60%	2.86%	3.92%	2.98%	
Non-ferrous Metal	Non-ferrous food cans	0.06	0.00	0.01	0.01	0.02	0.26%	0.02%	0.07%	0.04%	0.09%	
	Non-ferrous beverage cans	0.12	0.14	0.08	0.05	0.09	0.50%	0.62%	0.54%	0.39%	0.51%	
	Non-ferrous aerosols	0.05	0.02	0.00	0.03	0.03	0.19%	0.11%	0.03%	0.24%	0.15%	
	Other non-ferrous metal	0.21	0.12	0.07	0.04	0.09	0.85%	0.55%	0.46%	0.26%	0.52%	
Non-ferrous Metal	Sub-total	0.43	0.29	0.16	0.13	0.23	1.80%	1.29%	1.09%	0.92%	1.27%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.00	0.04	0.09	0.00	0.03	0.00%	0.18%	0.64%	0.00%	0.16%	
	IT & Telecoms Equip.	0.00	0.07	0.00	0.16	0.08	0.00%	0.32%	0.00%	1.12%	0.43%	
	Consumer Equip.	0.18	0.15	0.02	0.12	0.12	0.74%	0.66%	0.14%	0.82%	0.65%	
	Elec. & Electronic Tools	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Toys, Leisure & Sports Equip.	0.02	0.03	0.03	0.01	0.02	0.09%	0.15%	0.18%	0.06%	0.11%	
	Lighting	0.05	0.13	0.09	0.00	0.06	0.19%	0.56%	0.65%	0.01%	0.33%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.01	0.00	0.00	0.00%	0.00%	0.00%	0.05%	0.02%	
	Other WEEE	0.04	0.02	0.00	0.04	0.03	0.18%	0.09%	0.00%	0.31%	0.16%	
WEEE	Sub-total	0.29	0.44	0.23	0.34	0.34	1.20%	1.97%	1.61%	2.37%	1.85%	
Hazardous	Household batteries	0.01	0.01	0.01	0.00	0.01	0.04%	0.04%	0.04%	0.03%	0.04%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.01	0.01	0.02	0.01	0.05%	0.02%	0.05%	0.12%	0.06%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.01	0.12	0.10	0.02	0.06	0.04%	0.54%	0.72%	0.12%	0.33%	
Hazardous	Sub-total	0.03	0.13	0.12	0.04	0.08	0.13%	0.60%	0.81%	0.27%	0.42%	
Organic Catering	Home Compostable food	1.80	1.61	1.20	0.80	1.26	7.49%	7.18%	8.39%	5.63%	6.98%	
	Unused home compostable food	1.11	0.69	0.65	0.64	0.74	4.60%	3.09%	4.53%	4.49%	4.08%	
	Non-home compostable food	1.85	1.09	1.42	0.71	1.15	7.69%	4.88%	9.93%	5.02%	6.35%	
	Unused non-home compostable food	1.46	0.82	0.55	1.22	1.03	6.06%	3.65%	3.81%	8.54%	5.68%	
Organic Catering	Sub-total	6.21	4.22	3.82	3.37	4.18	25.84%	18.81%	26.66%	23.68%	23.09%	
Organic Non-catering	Garden	3.07	4.03	1.77	1.77	2.58	12.78%	17.98%	12.35%	12.42%	14.26%	
	Soil	0.33	0.27	0.16	0.46	0.33	1.38%	1.23%	1.09%	3.21%	1.83%	
	Other organic	0.29	0.36	0.16	0.34	0.30	1.20%	1.61%	1.13%	2.40%	1.67%	
Organic Non-catering	Sub-total	3.70	4.67	2.09	2.57	3.22	15.36%	20.82%	14.57%	18.03%	17.74%	
Fines	Material less than 10mm	0.37	0.39	0.32	0.28	0.33	1.52%	1.75%	2.20%	2.00%	1.84%	
	Sub-total	0.37	0.39	0.32	0.28	0.33	1.52%	1.75%	2.20%	2.00%	1.84%	
TOTAL		24.05	22.42	14.33	14.25	18.11	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix F

Halton BMW, Study Averages									
Material sub-category	BMW %	Arisings, kg/hh/wk				Assay, %			
		RW	GW	DR	Combined	RW	GW	DR	Combined
Newspapers	100%	0.26	0.00	0.65	0.91	2.1%	0.0%	21.8%	5.0%
Magazines	100%	0.19	0.00	0.46	0.65	1.5%	0.0%	15.6%	3.6%
Other recyclable paper	100%	0.36	0.00	0.21	0.57	2.9%	0.0%	6.9%	3.1%
Paper packaging	100%	0.01	0.00	0.00	0.01	0.0%	0.0%	0.0%	0.0%
Non-recyclable paper	100%	0.57	0.00	0.03	0.60	4.6%	0.0%	0.9%	3.3%
Liquid cartons	100%	0.05	0.00	0.01	0.05	0.4%	0.0%	0.3%	0.3%
Board packaging	100%	0.28	0.01	0.19	0.48	2.3%	0.3%	6.3%	2.6%
Card packaging	100%	0.39	0.00	0.18	0.57	3.1%	0.0%	6.2%	3.2%
Other card	100%	0.04	0.00	0.01	0.04	0.3%	0.0%	0.2%	0.2%
Plastic Bottles: PET	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
PET Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
HDPE Coloured	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other dense plastic	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other packaging film	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Textiles	50%	0.26	0.00	0.00	0.26	2.0%	0.0%	0.0%	1.4%
Shoes	50%	0.03	0.00	0.00	0.03	0.3%	0.0%	0.0%	0.2%
Treated wood	50%	0.05	0.00	0.00	0.05	0.4%	0.0%	0.0%	0.3%
Untreated wood	50%	0.01	0.00	0.00	0.01	0.1%	0.0%	0.0%	0.1%
Furniture	50%	0.00	0.01	0.00	0.01	0.0%	0.5%	0.0%	0.1%
Nappies/ Sanitary	50%	0.20	0.00	0.00	0.20	1.6%	0.0%	0.0%	1.1%
Other misc. comb.	50%	0.07	0.00	0.00	0.07	0.6%	0.0%	0.0%	0.4%
Carpet and underlay	50%	0.03	0.00	0.00	0.03	0.2%	0.0%	0.0%	0.1%
Glass bottles	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Glass jars	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other glass	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Construction and demolition	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other misc.non.comb	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous food cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Non-ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other non-ferrous metal	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Fridges, Freezers	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Large hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Small hh Appliances	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
IT & Telecoms Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Consumer Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Elec. & Electronic Tools	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Toys,Leisure & Sports Equip.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Lighting	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Monitoring & Ctl. Inst.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other WEEE	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Household batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Car batteries	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Identifiable clinical waste	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Engine oil	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Other prnt. haz.	0%	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%
Home compostable food	100%	1.26	0.00	0.00	1.26	10.1%	0.1%	0.1%	7.0%
Unused home compostable food	100%	0.74	0.00	0.00	0.74	5.9%	0.1%	0.0%	4.1%
Non-home compostable food	100%	1.14	0.00	0.00	1.15	9.1%	0.2%	0.1%	6.3%
Unused non-home compostable food	100%	1.03	0.00	0.00	1.03	8.2%	0.0%	0.0%	5.7%
Garden	100%	0.27	2.31	0.00	2.58	2.1%	87.9%	0.1%	14.3%
Soil	100%	0.05	0.27	0.01	0.33	0.4%	10.3%	0.3%	1.8%
Other organic	100%	0.30	0.00	0.00	0.30	2.4%	0.0%	0.0%	1.7%
Material less than 10mm	50%	0.16	0.00	0.00	0.17	1.3%	0.0%	0.1%	0.9%
Totals		7.75	2.61	1.76	12.12	62.0%	99.3%	59.0%	66.9%



Appendix F

Entec

Creating the environment for business



Appendix F

Appendix G Merseyside and Halton Waste Partnership (MHWP) Tables



Entec

Creating the environment for business



Appendix G

MHWP, March 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		RW	GW	DR	FW	Combined	RW	GW	DR	FW	Combined	
Paper	Newspapers	0.33	0.00	0.53	0.00	0.87	2.94%	0.26%	23.25%	0.75%	5.62%	
	Magazines	0.20	0.00	0.25	0.00	0.46	1.77%	0.00%	11.09%	0.00%	2.93%	
	Other recyclable paper	0.38	0.00	0.16	0.00	0.55	3.36%	0.10%	7.15%	0.00%	3.52%	
	Paper packaging	0.05	0.00	0.00	0.00	0.06	0.46%	0.00%	0.16%	0.00%	0.36%	
	Non-recyclable paper	0.52	0.00	0.06	0.00	0.58	4.57%	0.03%	2.71%	0.00%	3.75%	
Paper	Sub-total	1.49	0.01	1.02	0.00	2.51	13.09%	0.39%	44.35%	0.75%	16.18%	
Card	Liquid cartons	0.03	0.00	0.00	0.00	0.03	0.24%	0.01%	0.19%	0.00%	0.21%	
	Board packaging	0.13	0.01	0.10	0.00	0.25	1.19%	0.61%	4.36%	0.00%	1.58%	
	Card packaging	0.36	0.01	0.12	0.00	0.49	3.18%	0.47%	5.03%	0.00%	3.12%	
	Other card	0.03	0.00	0.01	0.00	0.04	0.27%	0.00%	0.29%	0.00%	0.24%	
Card	Sub-total	0.55	0.02	0.23	0.00	0.80	4.87%	1.10%	9.88%	0.00%	5.15%	
Dense Plastic	Plastic Bottles:	PET	0.14	0.00	0.05	0.00	0.19	1.23%	0.00%	2.04%	0.00%	1.20%
		PET Coloured	0.03	0.00	0.01	0.00	0.04	0.24%	0.00%	0.50%	0.00%	0.25%
		HDPE	0.07	0.00	0.03	0.00	0.10	0.62%	0.00%	1.47%	0.00%	0.67%
		HDPE Coloured	0.05	0.00	0.02	0.00	0.06	0.40%	0.00%	0.79%	0.00%	0.41%
		Other	0.02	0.00	0.00	0.00	0.02	0.17%	0.00%	0.06%	0.00%	0.13%
	Other packaging	0.33	0.00	0.02	0.00	0.35	2.92%	0.01%	0.96%	0.01%	2.28%	
Dense Plastic	Sub-total	0.25	0.00	0.02	0.00	0.27	2.18%	0.11%	0.85%	0.00%	1.73%	
Plastic Film	Packaging film	0.38	0.00	0.01	0.00	0.40	3.35%	0.07%	0.56%	0.01%	2.54%	
	Other plastic film	0.30	0.00	0.01	0.00	0.31	2.66%	0.08%	0.29%	0.01%	2.00%	
Plastic Film	Sub-total	0.68	0.00	0.02	0.00	0.71	6.01%	0.16%	0.84%	0.02%	4.55%	
Textiles	Textiles	0.45	0.01	0.01	0.00	0.46	3.92%	0.28%	0.55%	0.00%	2.98%	
	Shoes	0.07	0.00	0.00	0.00	0.07	0.63%	0.00%	0.02%	0.00%	0.46%	
Textiles	Sub-total	0.52	0.01	0.01	0.00	0.54	4.55%	0.28%	0.58%	0.00%	3.45%	
Miscellaneous Combustibles	Treated wood	0.11	0.02	0.01	0.00	0.14	0.98%	1.10%	0.41%	0.00%	0.90%	
	Untreated wood	0.01	0.00	0.00	0.00	0.01	0.11%	0.03%	0.08%	0.00%	0.10%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.11%	0.00%	0.02%	
	Nappies/ Sanitary	0.94	0.00	0.00	0.00	0.95	8.30%	0.02%	0.13%	0.00%	6.10%	
	Other misc. comb.	0.13	0.00	0.00	0.00	0.14	1.17%	0.00%	0.19%	0.00%	0.88%	
	Carpet and underlay	0.05	0.00	0.00	0.00	0.05	0.43%	0.00%	0.07%	0.00%	0.33%	
Miscellaneous Combustibles	Sub-total	1.25	0.02	0.02	0.00	1.29	10.99%	1.14%	0.98%	0.00%	8.32%	
Glass	Glass bottles	0.36	0.00	0.51	0.00	0.87	3.20%	0.00%	22.14%	0.00%	5.61%	
	Glass jars	0.16	0.00	0.13	0.00	0.30	1.42%	0.00%	5.83%	0.00%	1.90%	
	Other glass	0.02	0.00	0.00	0.00	0.03	0.22%	0.00%	0.08%	0.00%	0.17%	
Glass	Sub-total	0.55	0.00	0.64	0.00	1.19	4.64%	0.00%	28.05%	0.00%	7.68%	
Miscellaneous Non-combustibles	Construction and demolition	0.28	0.00	0.00	0.00	0.28	2.50%	0.00%	0.00%	0.00%	1.83%	
	Other misc.non.comb	0.06	0.00	0.00	0.00	0.07	0.56%	0.02%	0.21%	0.00%	0.44%	
Miscellaneous Non-combustibles	Sub-total	0.35	0.00	0.00	0.00	0.35	3.06%	0.02%	0.21%	0.00%	2.28%	
Ferrous Metal	Ferrous food cans	0.19	0.00	0.09	0.00	0.28	1.65%	0.01%	4.01%	0.00%	1.80%	
	Ferrous beverage cans	0.04	0.00	0.02	0.00	0.06	0.39%	0.00%	0.67%	0.00%	0.38%	
	Ferrous aerosols	0.03	0.00	0.00	0.00	0.03	0.25%	0.00%	0.13%	0.00%	0.20%	
	Other ferrous metal	0.09	0.00	0.01	0.00	0.10	0.82%	0.05%	0.29%	0.00%	0.65%	
Ferrous Metal	Sub-total	0.35	0.00	0.12	0.00	0.47	3.10%	0.05%	5.11%	0.00%	3.03%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.00	0.01	0.07%	0.00%	0.13%	0.00%	0.07%	
	Non-ferrous beverage cans	0.04	0.00	0.03	0.00	0.07	0.39%	0.00%	1.16%	0.00%	0.46%	
	Non-ferrous aerosols	0.02	0.00	0.00	0.00	0.02	0.16%	0.00%	0.04%	0.00%	0.12%	
	Other non-ferrous metal	0.08	0.00	0.00	0.00	0.08	0.67%	0.00%	0.12%	0.00%	0.51%	
Non-ferrous Metal	Sub-total	0.15	0.00	0.03	0.00	0.18	1.29%	0.00%	1.45%	0.00%	1.16%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.05	0.00	0.00	0.00	0.05	0.41%	0.00%	0.09%	0.00%	0.31%	
	IT & Telecoms Equip.	0.02	0.00	0.00	0.00	0.02	0.14%	0.00%	0.00%	0.00%	0.10%	
	Consumer Equip.	0.15	0.00	0.00	0.00	0.15	1.32%	0.00%	0.00%	0.00%	0.97%	
	Elec. & Electronic Tools	0.01	0.00	0.00	0.00	0.01	0.05%	0.00%	0.00%	0.00%	0.03%	
	Toys, Leisure & Sports Equip.	0.04	0.00	0.00	0.00	0.04	0.34%	0.00%	0.00%	0.00%	0.25%	
	Lighting	0.03	0.00	0.00	0.00	0.03	0.22%	0.00%	0.20%	0.00%	0.19%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.02%	0.00%	0.00%	0.00%	0.01%	
	Other WEEE	0.03	0.00	0.00	0.00	0.03	0.23%	0.00%	0.09%	0.00%	0.18%	
WEEE	Sub-total	0.31	0.00	0.01	0.00	0.32	2.72%	0.00%	0.38%	0.00%	2.05%	
Hazardous	Household batteries	0.01	0.00	0.00	0.00	0.01	0.06%	0.00%	0.01%	0.00%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.02	0.00	0.00	0.00	0.02	0.21%	0.00%	0.01%	0.00%	0.16%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pnt. haz.	0.08	0.00	0.00	0.00	0.08	0.68%	0.00%	0.00%	0.00%	0.50%	
Hazardous	Sub-total	0.11	0.00	0.00	0.00	0.11	0.96%	0.00%	0.01%	0.00%	0.70%	
Organic Catering	Home Compostable food	1.18	0.01	0.01	0.05	1.25	10.38%	0.65%	0.57%	46.73%	8.06%	
	Unused home compostable food	0.43	0.00	0.00	0.02	0.45	3.78%	0.13%	0.06%	17.85%	2.90%	
	Non-home compostable food	1.27	0.00	0.01	0.03	1.31	11.13%	0.06%	0.33%	31.15%	8.40%	
	Unused non-home compostable food	0.30	0.00	0.00	0.00	0.31	2.68%	0.00%	0.01%	3.48%	1.99%	
Organic Catering	Sub-total	3.18	0.01	0.02	0.10	3.32	27.97%	0.84%	0.96%	99.21%	21.35%	
Organic Non-catering	Garden	0.23	1.44	0.00	0.00	1.67	2.03%	81.44%	0.00%	0.00%	10.75%	
	Soil	0.04	0.19	0.00	0.00	0.23	0.32%	10.88%	0.00%	0.00%	1.47%	
	Other organic	0.31	0.06	0.00	0.00	0.38	2.77%	3.45%	0.00%	0.00%	2.42%	
Organic Non-catering	Sub-total	0.58	1.69	0.00	0.00	2.28	5.12%	95.76%	0.00%	14.65%		
Fines	Material less than 10mm	0.42	0.00	0.01	0.00	0.43	3.67%	0.12%	0.53%	0.00%	2.78%	
Fines	Sub-total	0.42	0.00	0.01	0.00	0.43	3.67%	0.12%	0.53%	0.00%	2.78%	
TOTAL		11.38	1.77	2.29	0.10	15.54	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix G

MHWP, June 2010												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		RW	GW	DR	FW	Combined	RW	GW	DR	FW	Combined	
Paper	Newspapers	0.44	0.00	0.59	0.00	1.03	4.14%	0.09%	23.66%	0.30%	6.21%	
	Magazines	0.22	0.00	0.31	0.00	0.53	2.05%	0.00%	12.50%	0.00%	3.18%	
	Other recyclable paper	0.18	0.00	0.14	0.00	0.31	1.70%	0.00%	5.45%	0.00%	1.90%	
	Paper packaging	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-recyclable paper	0.55	0.00	0.04	0.00	0.59	5.19%	0.06%	1.58%	0.17%	3.55%	
Paper	Sub-total	1.38	0.01	1.07	0.00	2.46	13.09%	0.15%	43.19%	0.47%	14.84%	
Card	Liquid cartons	0.02	0.00	0.00	0.00	0.03	0.21%	0.01%	0.18%	0.00%	0.17%	
	Board packaging	0.26	0.02	0.11	0.00	0.39	2.51%	0.48%	4.40%	0.00%	2.36%	
	Card packaging	0.39	0.01	0.13	0.00	0.53	3.71%	0.25%	5.08%	0.00%	3.18%	
	Other card	0.03	0.00	0.02	0.00	0.05	0.30%	0.01%	0.80%	0.00%	0.31%	
Card	Sub-total	0.71	0.03	0.26	0.00	1.00	6.74%	0.76%	10.47%	0.00%	6.01%	
Dense Plastic	Plastic Bottles:	PET	0.19	0.00	0.06	0.00	0.25	1.81%	0.00%	2.28%	0.00%	1.50%
		PET Coloured	0.02	0.00	0.01	0.00	0.03	0.18%	0.00%	0.35%	0.00%	0.16%
		HDPE	0.09	0.00	0.04	0.00	0.13	0.87%	0.00%	1.56%	0.00%	0.79%
		HDPE Coloured	0.04	0.00	0.01	0.00	0.05	0.38%	0.00%	0.45%	0.00%	0.31%
		Other	0.02	0.00	0.00	0.00	0.02	0.21%	0.00%	0.12%	0.00%	0.15%
	Other packaging	0.36	0.00	0.03	0.00	0.38	3.38%	0.02%	1.03%	0.00%	2.31%	
Dense Plastic	Sub-total	0.17	0.00	0.01	0.00	0.19	1.66%	0.02%	0.58%	0.00%	1.15%	
Dense Plastic	Sub-total	0.89	0.00	0.16	0.00	1.05	8.48%	0.05%	6.37%	0.00%	6.36%	
Plastic Film	Packaging film	0.30	0.00	0.01	0.00	0.31	2.87%	0.01%	0.26%	0.00%	1.87%	
	Other plastic film	0.33	0.00	0.01	0.00	0.34	3.13%	0.01%	0.37%	0.07%	2.05%	
Plastic Film	Sub-total	0.63	0.00	0.02	0.00	0.65	6.00%	0.02%	0.63%	0.07%	3.91%	
Textiles	Textiles	0.40	0.00	0.01	0.00	0.41	3.83%	0.00%	0.45%	0.00%	2.50%	
	Shoes	0.07	0.00	0.00	0.00	0.08	0.71%	0.00%	0.13%	0.00%	0.47%	
Textiles	Sub-total	0.48	0.00	0.01	0.00	0.49	4.54%	0.00%	0.58%	0.00%	2.97%	
Miscellaneous Combustibles	Treated wood	0.08	0.00	0.01	0.00	0.09	0.74%	0.02%	0.43%	0.00%	0.54%	
	Untreated wood	0.02	0.00	0.00	0.00	0.03	0.24%	0.11%	0.01%	0.00%	0.18%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.13%	0.00%	0.00%	0.03%	
	Nappies/ Sanitary	0.82	0.00	0.01	0.00	0.83	7.83%	0.00%	0.32%	0.00%	5.03%	
	Other misc. comb.	0.07	0.00	0.00	0.00	0.07	0.69%	0.00%	0.08%	0.00%	0.45%	
	Carpet and underlay	0.03	0.00	0.00	0.00	0.03	0.31%	0.00%	0.01%	0.00%	0.20%	
Miscellaneous Combustibles	Sub-total	1.03	0.01	0.02	0.00	1.06	9.81%	0.26%	0.85%	0.00%	6.41%	
Glass	Glass bottles	0.35	0.00	0.59	0.00	0.94	3.34%	0.00%	23.52%	0.00%	5.66%	
	Glass jars	0.16	0.00	0.13	0.00	0.28	1.48%	0.00%	5.06%	0.00%	1.70%	
	Other glass	0.02	0.00	0.00	0.00	0.02	0.20%	0.00%	0.13%	0.00%	0.15%	
Glass	Sub-total	0.53	0.00	0.71	0.00	1.24	5.02%	0.00%	28.72%	0.00%	7.50%	
Miscellaneous Non-combustibles	Construction and demolition	0.19	0.00	0.00	0.00	0.19	1.80%	0.00%	0.13%	0.00%	1.16%	
	Other misc.non.comb	0.08	0.00	0.01	0.00	0.10	0.80%	0.00%	0.48%	0.00%	0.58%	
Miscellaneous Non-combustibles	Sub-total	0.27	0.00	0.02	0.00	0.29	2.60%	0.00%	0.61%	0.00%	1.74%	
Ferrous Metal	Ferrous food cans	0.15	0.00	0.10	0.00	0.26	1.47%	0.00%	4.08%	0.00%	1.55%	
	Ferrous beverage cans	0.03	0.00	0.02	0.00	0.05	0.33%	0.00%	0.80%	0.00%	0.33%	
	Ferrous aerosols	0.02	0.00	0.00	0.00	0.02	0.18%	0.00%	0.15%	0.00%	0.14%	
	Other ferrous metal	0.08	0.00	0.01	0.00	0.08	0.74%	0.00%	0.26%	0.00%	0.51%	
Ferrous Metal	Sub-total	0.29	0.00	0.13	0.00	0.42	2.72%	0.00%	5.30%	0.00%	2.53%	
Non-ferrous Metal	Non-ferrous food cans	0.00	0.00	0.00	0.00	0.01	0.04%	0.00%	0.06%	0.00%	0.03%	
	Non-ferrous beverage cans	0.06	0.00	0.04	0.00	0.10	0.60%	0.00%	1.53%	0.00%	0.61%	
	Non-ferrous aerosols	0.01	0.00	0.00	0.00	0.02	0.13%	0.00%	0.10%	0.00%	0.10%	
	Other non-ferrous metal	0.07	0.00	0.00	0.00	0.07	0.62%	0.00%	0.08%	0.00%	0.41%	
Non-ferrous Metal	Sub-total	0.15	0.00	0.04	0.00	0.19	1.38%	0.00%	1.78%	0.00%	1.15%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.02	0.00	0.00	0.00	0.02	0.21%	0.00%	0.00%	0.00%	0.14%	
	IT & Telecoms Equip.	0.00	0.00	0.00	0.00	0.00	0.03%	0.00%	0.00%	0.00%	0.02%	
	Consumer Equip.	0.15	0.00	0.00	0.00	0.15	1.43%	0.00%	0.03%	0.00%	0.91%	
	Elec. & Electronic Tools	0.03	0.00	0.00	0.00	0.03	0.30%	0.00%	0.02%	0.00%	0.19%	
	Toys, Leisure & Sports Equip.	0.01	0.00	0.00	0.00	0.02	0.14%	0.00%	0.08%	0.00%	0.10%	
	Lighting	0.03	0.00	0.00	0.00	0.03	0.24%	0.00%	0.01%	0.00%	0.16%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other WEEE	0.04	0.00	0.00	0.00	0.04	0.34%	0.00%	0.02%	0.00%	0.22%	
WEEE	Sub-total	0.28	0.00	0.00	0.00	0.29	2.69%	0.00%	0.16%	0.00%	1.74%	
Hazardous	Household batteries	0.01	0.00	0.00	0.00	0.01	0.08%	0.00%	0.01%	0.00%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.01	0.00	0.00	0.00	0.01	0.11%	0.00%	0.00%	0.00%	0.07%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other pntt. haz.	0.03	0.00	0.00	0.00	0.03	0.26%	0.00%	0.03%	0.00%	0.17%	
Hazardous	Sub-total	0.05	0.00	0.00	0.00	0.05	0.45%	0.00%	0.04%	0.00%	0.29%	
Organic Catering	Home Compostable food	0.98	0.01	0.01	0.08	1.07	9.34%	0.24%	0.21%	54.44%	6.48%	
	Unused home compostable food	0.47	0.00	0.00	0.01	0.49	4.50%	0.03%	0.00%	8.40%	2.94%	
	Non-home compostable food	0.74	0.00	0.01	0.04	0.80	7.08%	0.03%	0.35%	30.13%	4.82%	
	Unused non-home compostable food	0.82	0.00	0.00	0.01	0.83	7.81%	0.00%	0.02%	6.49%	5.02%	
Organic Catering	Sub-total	3.02	0.01	0.01	0.14	3.19	28.73%	0.30%	0.58%	99.46%	19.26%	
Organic Non-catering	Garden	0.30	3.00	0.00	0.00	3.31	2.85%	88.19%	0.18%	0.00%	19.99%	
	Soil	0.09	0.33	0.00	0.00	0.42	0.84%	9.71%	0.05%	0.00%	2.54%	
	Other organic	0.20	0.02	0.00	0.00	0.22	1.89%	0.55%	0.03%	0.00%	1.32%	
Organic Non-catering	Sub-total	0.59	3.35	0.01	0.00	3.95	5.59%	98.45%	0.26%	0.00%	23.85%	
Fines	Material less than 10mm	0.23	0.00	0.01	0.00	0.24	2.15%	0.00%	0.47%	0.00%	1.44%	
Fines	Sub-total	0.23	0.00	0.01	0.00	0.24	2.15%	0.00%	0.47%	0.00%	1.44%	
TOTAL		10.51	3.41	2.49	0.14	16.55	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix G

MHWP, Study Average												
Primary Category	Secondary Category	Arisings, kg/hh/wk					Composition, wt. %					
		RW	GW	DR	FW	Combined	RW	GW	DR	FW	Combined	
Paper	Newspapers	0.38	0.00	0.56	0.00	0.95	3.52%	0.15%	23.46%	0.48%	5.92%	
	Magazines	0.21	0.00	0.28	0.00	0.49	1.91%	0.00%	11.83%	0.00%	3.06%	
	Other recyclable paper	0.28	0.00	0.15	0.00	0.43	2.56%	0.03%	6.26%	0.00%	2.69%	
	Paper packaging	0.03	0.00	0.00	0.00	0.03	0.24%	0.00%	0.08%	0.00%	0.17%	
	Non-recyclable paper	0.53	0.00	0.05	0.00	0.59	4.87%	0.05%	2.12%	0.10%	3.65%	
Paper	Sub-total	1.43	0.01	1.05	0.00	2.49	13.09%	0.24%	43.75%	0.59%	15.49%	
Card	Liquid cartons	0.02	0.00	0.00	0.00	0.03	0.23%	0.01%	0.19%	0.00%	0.19%	
	Board packaging	0.20	0.01	0.10	0.00	0.32	1.82%	0.53%	4.38%	0.00%	1.98%	
	Card packaging	0.38	0.01	0.12	0.00	0.51	3.44%	0.33%	5.06%	0.00%	3.15%	
	Other card	0.03	0.00	0.01	0.00	0.04	0.29%	0.00%	0.56%	0.00%	0.28%	
Card	Sub-total	0.63	0.02	0.24	0.00	0.90	5.77%	0.87%	10.19%	0.00%	5.60%	
Dense Plastic	Plastic Bottles:	PET	0.17	0.00	0.05	0.00	0.22	1.51%	0.00%	2.16%	0.00%	1.35%
		PET Coloured	0.02	0.00	0.01	0.00	0.03	0.21%	0.00%	0.42%	0.00%	0.21%
		HDPE	0.08	0.00	0.04	0.00	0.12	0.74%	0.00%	1.52%	0.00%	0.73%
		HDPE Coloured	0.04	0.00	0.01	0.00	0.06	0.39%	0.00%	0.61%	0.00%	0.36%
	Other	0.02	0.00	0.00	0.00	0.02	0.19%	0.00%	0.09%	0.00%	0.14%	
	Other packaging	0.34	0.00	0.02	0.00	0.37	3.14%	0.02%	1.00%	0.00%	2.29%	
Other dense plastic	0.21	0.00	0.02	0.00	0.23	1.93%	0.05%	0.71%	0.00%	1.43%		
Dense Plastic	Sub-total	0.89	0.00	0.16	0.00	1.04	8.10%	0.08%	6.51%	0.00%	6.51%	
Plastic Film	Packaging film	0.34	0.00	0.01	0.00	0.35	3.12%	0.03%	0.40%	0.01%	2.20%	
	Other plastic film	0.32	0.00	0.01	0.00	0.32	2.89%	0.04%	0.33%	0.05%	2.03%	
Plastic Film	Sub-total	0.66	0.00	0.02	0.00	0.68	6.01%	0.07%	0.73%	0.05%	4.22%	
Textiles	Textiles	0.42	0.00	0.01	0.00	0.44	3.88%	0.10%	0.50%	0.00%	2.74%	
	Shoes	0.07	0.00	0.00	0.00	0.07	0.66%	0.00%	0.08%	0.00%	0.47%	
Textiles	Sub-total	0.50	0.00	0.01	0.00	0.51	4.54%	0.10%	0.58%	0.00%	3.20%	
Miscellaneous Combustibles	Treated wood	0.09	0.01	0.01	0.00	0.11	0.86%	0.39%	0.42%	0.00%	0.71%	
	Untreated wood	0.02	0.00	0.00	0.00	0.02	0.17%	0.08%	0.04%	0.00%	0.14%	
	Furniture	0.00	0.00	0.00	0.00	0.00	0.00%	0.08%	0.05%	0.00%	0.02%	
	Nappies/ Sanitary	0.88	0.00	0.01	0.00	0.89	8.08%	0.01%	0.23%	0.00%	5.55%	
	Other misc. comb.	0.10	0.00	0.00	0.00	0.11	0.94%	0.00%	0.13%	0.00%	0.66%	
	Carpet and underlay	0.04	0.00	0.00	0.00	0.04	0.37%	0.00%	0.04%	0.00%	0.26%	
Misc. Combustibles	Sub-total	1.14	0.01	0.02	0.00	1.18	10.42%	0.56%	0.91%	0.00%	7.34%	
Glass	Glass bottles	0.36	0.00	0.55	0.00	0.90	3.26%	0.00%	22.86%	0.00%	5.63%	
	Glass jars	0.16	0.00	0.13	0.00	0.29	1.45%	0.00%	5.43%	0.00%	1.80%	
	Other glass	0.02	0.00	0.00	0.00	0.03	0.21%	0.00%	0.11%	0.00%	0.16%	
Glass	Sub-total	0.54	0.00	0.68	0.00	1.22	4.93%	0.00%	28.40%	0.00%	7.59%	
Miscellaneous Non-combustibles	Construction and demolition	0.24	0.00	0.00	0.00	0.24	2.16%	0.00%	0.07%	0.00%	1.49%	
	Other misc.non.comb	0.07	0.00	0.01	0.00	0.08	0.68%	0.01%	0.35%	0.00%	0.51%	
Misc. Non-combustibles	Sub-total	0.31	0.00	0.01	0.00	0.32	2.84%	0.01%	0.42%	0.00%	2.00%	
Ferrous Metal	Ferrous food cans	0.17	0.00	0.10	0.00	0.27	1.56%	0.00%	4.05%	0.00%	1.67%	
	Ferrous beverage cans	0.04	0.00	0.02	0.00	0.06	0.36%	0.00%	0.74%	0.00%	0.36%	
	Ferrous aerosols	0.02	0.00	0.00	0.00	0.03	0.22%	0.00%	0.14%	0.00%	0.17%	
	Other ferrous metal	0.09	0.00	0.01	0.00	0.09	0.78%	0.02%	0.28%	0.00%	0.57%	
Ferrous Metal	Sub-total	0.32	0.00	0.12	0.00	0.44	2.92%	0.02%	5.21%	0.00%	2.77%	
Non-ferrous Metal	Non-ferrous food cans	0.01	0.00	0.00	0.00	0.01	0.05%	0.00%	0.09%	0.00%	0.05%	
	Non-ferrous beverage cans	0.05	0.00	0.03	0.00	0.08	0.49%	0.00%	1.36%	0.00%	0.54%	
	Non-ferrous aerosols	0.02	0.00	0.00	0.00	0.02	0.14%	0.00%	0.07%	0.00%	0.11%	
	Other non-ferrous metal	0.07	0.00	0.00	0.00	0.07	0.65%	0.00%	0.10%	0.00%	0.46%	
Non-ferrous Metal	Sub-total	0.15	0.00	0.04	0.00	0.19	1.34%	0.00%	1.62%	0.00%	1.15%	
WEEE	Fridges, Freezers	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Large hh Appliances	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Small hh Appliances	0.03	0.00	0.00	0.00	0.04	0.31%	0.00%	0.04%	0.00%	0.22%	
	IT & Telecoms Equip.	0.01	0.00	0.00	0.00	0.01	0.08%	0.00%	0.00%	0.00%	0.06%	
	Consumer Equip.	0.15	0.00	0.00	0.00	0.15	1.37%	0.00%	0.02%	0.00%	0.94%	
	Elec. & Electronic Tools	0.02	0.00	0.00	0.00	0.02	0.17%	0.00%	0.01%	0.00%	0.12%	
	Toys, Leisure & Sports Equip.	0.03	0.00	0.00	0.00	0.03	0.24%	0.00%	0.04%	0.00%	0.17%	
	Lighting	0.03	0.00	0.00	0.00	0.03	0.23%	0.00%	0.10%	0.00%	0.17%	
	Monitoring & Ctl. Inst.	0.00	0.00	0.00	0.00	0.00	0.01%	0.00%	0.00%	0.00%	0.01%	
	Other WEEE	0.03	0.00	0.00	0.00	0.03	0.28%	0.00%	0.05%	0.00%	0.20%	
WEEE	Sub-total	0.30	0.00	0.01	0.00	0.30	2.71%	0.00%	0.27%	0.00%	1.89%	
Hazardous	Household batteries	0.01	0.00	0.00	0.00	0.01	0.07%	0.00%	0.01%	0.00%	0.05%	
	Car batteries	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Identifiable clinical waste	0.02	0.00	0.00	0.00	0.02	0.16%	0.00%	0.01%	0.00%	0.11%	
	Engine oil	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other prnt. haz.	0.05	0.00	0.00	0.00	0.05	0.48%	0.00%	0.01%	0.00%	0.33%	
Hazardous	Sub-total	0.08	0.00	0.00	0.00	0.08	0.71%	0.00%	0.03%	0.00%	0.49%	
Organic Catering	Home Compostable food	1.08	0.01	0.01	0.06	1.16	9.88%	0.38%	0.38%	51.31%	7.25%	
	Unused home compostable food	0.45	0.00	0.00	0.01	0.47	4.12%	0.06%	0.03%	12.24%	2.92%	
	Non-home compostable food	1.01	0.00	0.01	0.04	1.06	9.19%	0.04%	0.34%	30.54%	6.55%	
	Unused non-home compostable food	0.56	0.00	0.00	0.01	0.57	5.14%	0.00%	0.01%	5.27%	3.55%	
Organic Catering	Sub-total	3.10	0.01	0.02	0.12	3.25	28.34%	0.48%	0.76%	99.36%	20.27%	
Organic Non-catering	Garden	0.27	2.22	0.00	0.00	2.49	2.43%	85.88%	0.09%	0.00%	15.52%	
	Soil	0.06	0.26	0.00	0.00	0.32	0.57%	10.11%	0.03%	0.00%	2.02%	
	Other organic	0.26	0.04	0.00	0.00	0.30	2.35%	1.54%	0.02%	0.00%	1.85%	
Organic Non-catering	Sub-total	0.59	2.52	0.00	0.00	3.11	5.35%	97.53%	0.14%	0.00%	19.39%	
Fines	Material less than 10mm	0.32	0.00	0.01	0.00	0.34	2.94%	0.04%	0.50%	0.00%	2.09%	
Fines	Sub-total	0.32	0.00	0.01	0.00	0.34	2.94%	0.04%	0.50%	0.00%	2.09%	
TOTAL		10.95	2.59	2.39	0.12	16.04	100.00%	100.00%	100.00%	100.00%	100.00%	

Note: All sub-totals and totals may be subject to rounding errors of 0.01



Appendix G

MHWP BMW, Study Averages											
Material sub-category	BMW Content	Arisings, kg/hh/wk					Assay, %				
		RW	GW	DR	FW	Combined	RW	GW	DR	FW	Combined
Newspapers	100%	0.38	0.00	0.56	0.00	0.95	3.5%	0.1%	23.5%	0.5%	5.9%
Magazines	100%	0.21	0.00	0.28	0.00	0.49	1.9%	0.0%	11.8%	0.0%	3.1%
Other recyclable paper	100%	0.28	0.00	0.15	0.00	0.43	2.6%	0.0%	6.3%	0.0%	2.7%
Paper packaging	100%	0.03	0.00	0.00	0.00	0.03	0.2%	0.0%	0.1%	0.0%	0.2%
Non-recyclable paper	100%	0.53	0.00	0.05	0.00	0.59	4.9%	0.1%	2.1%	0.1%	3.6%
Liquid cartons	100%	0.02	0.00	0.00	0.00	0.03	0.2%	0.0%	0.2%	0.0%	0.2%
Board packaging	100%	0.20	0.01	0.10	0.00	0.32	1.8%	0.5%	4.4%	0.0%	2.0%
Card packaging	100%	0.38	0.01	0.12	0.00	0.51	3.4%	0.3%	5.1%	0.0%	3.2%
Other card	100%	0.03	0.00	0.01	0.00	0.04	0.3%	0.0%	0.6%	0.0%	0.3%
Plastic Bottles: PET	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
PET Coloured	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
HDPE	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
HDPE Coloured	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other packaging	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other dense plastic	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Packaging film	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other packaging film	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Textiles	50%	0.21	0.00	0.01	0.00	0.22	1.9%	0.0%	0.2%	0.0%	1.4%
Shoes	50%	0.04	0.00	0.00	0.00	0.04	0.3%	0.0%	0.0%	0.0%	0.2%
Treated wood	50%	0.05	0.00	0.01	0.00	0.06	0.4%	0.2%	0.2%	0.0%	0.4%
Untreated wood	50%	0.01	0.00	0.00	0.00	0.01	0.1%	0.0%	0.0%	0.0%	0.1%
Furniture	50%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Nappies/ Sanitary	50%	0.44	0.00	0.00	0.00	0.44	4.0%	0.0%	0.1%	0.0%	2.8%
Other misc. comb.	50%	0.05	0.00	0.00	0.00	0.05	0.5%	0.0%	0.1%	0.0%	0.3%
Carpet and underlay	50%	0.02	0.00	0.00	0.00	0.02	0.2%	0.0%	0.0%	0.0%	0.1%
Glass bottles	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Glass jars	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other glass	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Construction and demolition	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other misc.non.comb	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous food cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other ferrous metal	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous food cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous beverage cans	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Non-ferrous aerosols	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other non-ferrous metal	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Fridges, Freezers	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Large hh Appliances	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Small hh Appliances	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
IT & Telecoms Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Consumer Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Elec. & Electronic Tools	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Toys, Leisure & Sports Equip.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Lighting	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Monitoring & Ctl. Inst.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other WEEE	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Household batteries	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Car batteries	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Identifiable clinical waste	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Engine oil	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Other prtl. haz.	0%	0.00	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%	0.0%	0.0%
Home compostable food	100%	1.08	0.01	0.01	0.06	1.16	9.9%	0.4%	0.4%	51.3%	7.2%
Unused home compostable food	100%	0.45	0.00	0.00	0.01	0.47	4.1%	0.1%	0.0%	12.2%	2.9%
Non-home compostable food	100%	1.01	0.00	0.01	0.04	1.05	9.2%	0.0%	0.3%	30.5%	6.6%
Unused non-home compostable food	100%	0.56	0.00	0.00	0.01	0.57	5.1%	0.0%	0.0%	5.3%	3.6%
Garden	100%	0.27	2.22	0.00	0.00	2.49	2.4%	85.9%	0.1%	0.0%	15.5%
Soil	100%	0.06	0.26	0.00	0.00	0.32	0.6%	10.1%	0.0%	0.0%	2.0%
Other organic	100%	0.26	0.04	0.00	0.00	0.30	2.3%	1.5%	0.0%	0.0%	1.9%
Material less than 10mm	50%	0.16	0.00	0.01	0.00	0.17	1.5%	0.0%	0.2%	0.0%	1.0%
Totals		6.73	2.57	1.33	0.12	10.76	61.5%	99.5%	55.8%	99.9%	67.1%



Appendix G