

**APPENDIX 1
WASTE HIERARCHY ASSESSMENT**

KERBSIDE COLLECTED WASTE

Waverley		13/14 TOTAL ARISINGS	13/14 CAPTURE	HIERARCHY REASONABLE	HIERARCHY CURRENT	DEPARTURE FROM HIERARCHY?	DEPARTURE FROM HIERARCHY
Primary	Secondary	TONNES	TONNES	MGT TYPE	MGT TYPE	YES/NO	COMMENT
Paper and Card	Low Quality Recyclable	5,799	5,517	Recycling	Recycling	No	
	Medium Quality Recyclable	2,752	2,075	Recycling	Recycling	No	
	Non-recyclable Paper & Card	916	-	Energy Recovery	Energy Recovery	No	
	Liquid Cartons	151	71	Recycling	Recycling	No	
	Corrugated Cardboard	887	744	Recycling	Recycling	No	
	Other Card Packaging	1,126	732	Recycling	Recycling	No	
	Wallpaper	5	-	Energy Recovery	Energy Recovery	No	
	Books	90	13	Recycling	Recycling	No	
Plastics	PET (Polyethylene terephthalate)	725	386	Closed loop recycling	Closed loop recycling	No	
	HDPE (High density Polyethylene)	409	280	Closed loop recycling	Closed loop recycling	No	
	HDPE (High density Polyethylene)	-	-				
	PP (Polypropolene)	354	48	Closed loop recycling	Closed loop recycling	No	
	PS (Polysterene)	200	20	Closed loop recycling	Closed loop recycling	No	
	Black pots, tubs, trays	-	-				
	LDPE (Low Density Polyethylene)	1,368	49	Closed loop recycling	Closed loop recycling	No	
Glass	PVC (Polyvinyl Chloride) and other dense plastic	570	19	Closed loop recycling	Closed loop recycling	No	
	Clear	1,375	1,059	Remelt	Other recycling	Yes	Not economically or environmentally viable. See the Waste Regulations compliance report.
	Amber	438	380	Remelt	Other recycling	Yes	
	Green	1,401	1,277	Remelt	Other recycling	Yes	
Non-Packaging Glass	88	-	Other recycling	Other recycling	Yes		
Textiles	Reusable Clothing	617	86	Recycling	Recycling	No	
	Other recyclable textiles	475	28	Recycling	Recycling	No	
	Duvets, Pillows and Soft Toys	96	-	Energy recovery	Energy recovery	No	
Metals	Ferrous	566	295	Recycling	Recycling	No	
	Non-Ferrous	295	100	Recycling	Recycling	No	
Wood	Reusable Furniture	-	-				
	Grade A - Clean	130	-	Recycling	Energy recovery	Yes	Not economically viable to collect clean wood separately, due to the low tonnage in the waste stream. Wood can also be recycled at CRCs.
	Grade B - Industrial Feedstock Grade	174	-	Energy Recovery	Energy Recovery	No	
	Grade C - Fuel Grade	114	-	Energy Recovery	Energy Recovery	No	
Grade D - Hazardous	9	-	Energy Recovery	Energy Recovery	No		
Offensive Waste	Nappies	847	-	Other recovery	Other recovery	No	
	Incontinence	25	-	Other recovery	Other recovery	No	
	Sanitary	283	-	Other recovery	Other recovery	No	
	Non Infectious Healthcare	11	-	Other recovery	Other recovery	No	
WEEE	Cathode Ray Tubes	19	-	Recycling	Energy recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. Can be recycled at CRCs
	Flourescent Tubes/CFL	4	-	Recycling	Energy recovery	No	
	Other Light Bulbs	14	-	Recycling	Energy recovery	No	
	Fridges and Freezers	-	-				
	Other domestic applicances	275	6	Recycling	Recycling	No	
	Woody Garden Organics	77	77	Dry Anaerobic Digestion	Composting	Yes	Dry AD is not economically viable. Composting is far less costly and requires

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Primary	Secondary	TONNES	TONNES	MGT TYPE	MGT TYPE	YES/NO	COMMENT
Putrescibles	Soft Garden Organics	2,194	1,654	Dry Anaerobic Digestion	Composting	Yes	less transportation.
	Cooking Oils and Other Liquid Foodstuff	88	-	Anaerobic Digestion	Disposal	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream.
	Avoidable Food	5,729	1,764	Anaerobic Digestion	Anaerobic Digestion	No	
	Non-Avoidable Food	2,983	1,123	Anaerobic Digestion	Anaerobic Digestion	No	
Hazardous	Engineering Oils	-	-				
	Paints and Varnishes	31	-	Recycling	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. Paint can be recycled at CRCs and batteries at retailers.
	Batteries: Household	26	-	Recycling	Other recovery	Yes	
	Batteries: Post-Consumer Automotive	-	-				
	Gas Bottles	4	-	Recycling	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. Can be recycled at CRCs
	Asbestos	37	-				Not household waste
	Other Hazardous Chemicals	67	-	Recycling	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. Some of these materials can be recycled at CRCs.
	Ink Toner and Cartridges	3	-	Recycling	Other recovery	Yes	
Misc - Comb	Clinical Waste	4	-			No	Not household waste
	Tyres	-	-				
	Carpet and Underlay	54	-	Recycling	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. Some of these materials can be recycled at CRCs.
	Vinyl flooring	-	-	Recycling	Other recovery	Yes	
	Mattresses	-	-				
	Misc Other	129	-	Recycling	Other recovery	Yes	
	Pet Bedding and Animal Waste	469	-	Recycling	Other recovery	Yes	Not technically viable. Markets do not currently exist to recycle these materials.
	Fines	258	-	Recycling	Other recovery	Yes	
Misc - Non Comb	Rubble	232	-				Not household waste
	Soil	248	-				Not household waste
	Ceramics	237	-	Recycling	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream.
	Cat Litter	1,096	-	Recycling	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. There is also not currently a market for this material.
	Plasterboard	33	-	Recycling	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. Can be recycled at CRCs.
	Misc Other	37	-	Recycling	Other recovery	Yes	Not technically viable. Markets do not currently exist to recycle this material.
Misc - Reusable	Videotapes, DVDs and CDs	30	-	Re-use	Other recovery	Yes	Not economically viable to collect separately, due to the low tonnage in the waste stream. Some of these materials can be recycled at CRCs.
	Bicycles	-	-				
	Other reusable	-	-				
Bulky waste		34	16	Re-use	Re-use	No	
Street Sweepings		2,940	2,940	Other recovery	Other recovery	No	
Residual		18,138	18,138	Energy recovery (CHP)	Energy recovery (CHP)	No	55% of WBC's residual waste was shredded to RDF, then transported to a CHP energy recovery facility in Amsterdam. The remainder was sent to landfill due to a lack of available thermal treatment capacity in the southeast.
TOTAL		57,787	38,896				