

EXHIBIT A-5
ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2010
TOWN OF CHAPEL HILL WASTE COMPOSITION

Material Components	Mean Composition	Standard Deviation	95% Confidence Limits	
			Lower	Upper
Paper				
Newspaper/Print	1.7%	1.4%	1.1%	2.3%
Glossy Magazines	1.5%	1.8%	0.8%	2.2%
Recyclable Corrugated Cardboard	2.3%	2.1%	1.4%	3.1%
Non-Recyclable Cardboard	0.5%	0.8%	0.2%	0.8%
Phone Books	<0.1%	0.2%	<0.1%	0.1%
Paperboard	2.6%	1.5%	2.0%	3.2%
Other Books	<0.1%	0.2%	<0.1%	0.2%
White Ledger	1.4%	1.5%	0.8%	2.0%
Mixed Office Paper	3.3%	2.2%	2.4%	4.2%
Other Paper (includes hardback books)	9.4%	4.8%	7.4%	11.3%
Total Paper	22.7%	16.5%		
Plastics				
All Plastic Bottles	2.5%	1.8%	1.7%	3.2%
Film	7.6%	2.5%	6.6%	8.7%
All Cups & Tubs	3.2%	3.2%	1.9%	4.5%
All Other Plastic (includes styrofoam)	5.3%	2.9%	4.1%	6.4%
Total Plastics	18.6%	10.4%		
Organics				
Food Waste	26.0%	16.1%	19.4%	32.6%
Textiles/Leather	6.4%	7.6%	3.3%	9.5%
Diapers	3.9%	3.5%	2.4%	5.3%
Other Organics (includes rubber)	4.1%	3.4%	2.7%	5.5%
Total Organics	40.3%	30.7%		
Ferrous Metal				
Food Containers/Bi-Metal	0.8%	0.7%	0.5%	1.0%
Aerosols	0.3%	0.4%	0.2%	0.5%
Other Ferrous	1.2%	1.5%	0.6%	1.8%
Total Ferrous Metal	2.3%	2.6%		
Non Ferrous Metal				
Aluminum Cans	0.7%	0.9%	0.4%	1.1%
Aluminum Foil	0.6%	0.6%	0.4%	0.9%
Other Non-Ferrous	0.4%	0.8%	<0.1%	0.7%
Total Non Ferrous Metal	1.7%	2.2%		
Glass				
All Bottles & Jars	3.8%	3.4%	2.4%	5.2%
Other Glass	<0.1%	0.2%	<0.1%	0.2%
Total Glass	3.9%	3.6%		
Wood				
Pallets	<0.1%	<0.1%	<0.1%	<0.1%
Lumber	2.1%	5.2%	<0.1%	4.2%
Painted/Treated	2.2%	5.1%	0.1%	4.3%
Stumps/Heavy Sections	<0.1%	<0.1%	<0.1%	<0.1%
Total Wood	4.3%	10.3%		
Inert				
Brick, concrete, dirt, asphalt, etc.	1.7%	1.9%	0.9%	2.5%
Yard Waste				
(includes grass, leaves, small branches)	2.5%	4.4%	0.7%	4.3%
Special Waste				
Lead-Acid Batteries	<0.1%	<0.1%	<0.1%	<0.1%
Dry Cell Batteries	<0.1%	<0.1%	<0.1%	<0.1%
Oil Filters	<0.1%	<0.1%	<0.1%	<0.1%
Other Hazardous Waste	<0.1%	<0.1%	<0.1%	<0.1%
Infectious Waste	0.5%	1.2%	<0.1%	1.0%
Reusable Waste	0.1%	0.6%	<0.1%	0.3%
Total Special Waste	0.6%	1.9%		
Brown Goods				
Electronic Goods	1.3%	2.4%	0.8%	2.3%
TOTALS	100.0%			

Notes: 1. Composition based on 23 samples.