

**EXHIBIT A-1**  
**ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2010**  
**COMMERCIAL WASTE COMPOSITION**

Material Components	Mean Composition	Standard Deviation	95% Confidence Limits	
			Lower	Upper
<b>Paper</b>				
Newspaper/Print	3.0%	3.1%	1.5%	4.4%
Glossy Magazines	0.8%	0.8%	0.4%	1.2%
Recyclable Corrugated Cardboard	2.6%	2.2%	1.5%	3.6%
Non-Recyclable Cardboard	0.4%	1.0%	<0.1%	0.9%
Phone Books	<0.1%	0.1%	<0.1%	<0.1%
Paperboard	2.2%	1.3%	1.5%	2.8%
Other Books	0.4%	0.7%	<0.1%	0.7%
White Ledger	1.6%	1.7%	0.8%	2.4%
Mixed Office Paper	2.2%	1.3%	1.5%	2.8%
Other Paper (includes hardback books)	14.5%	6.0%	11.6%	17.3%
<b>Total Paper</b>	<b>27.6%</b>			
<b>Plastics</b>				
All Plastic Bottles	3.2%	2.3%	2.1%	4.3%
Film	9.5%	3.8%	7.7%	11.3%
All Cups & Tubs	2.2%	2.3%	1.1%	3.4%
All Other Plastic (includes styrofoam)	5.8%	2.7%	4.5%	7.1%
<b>Total Plastics</b>	<b>20.8%</b>			
<b>Organics</b>				
Food Waste	25.5%	15.0%	18.4%	32.6%
Textiles/Leather	3.5%	3.2%	1.9%	5.0%
Diapers	2.3%	4.1%	0.3%	4.2%
Other Organics (includes rubber)	3.5%	4.1%	1.5%	5.4%
<b>Total Organics</b>	<b>34.7%</b>			
<b>Ferrous Metal</b>				
Food Containers/Bi-Metal	0.8%	0.6%	0.5%	1.1%
Aerosols	0.2%	0.3%	<0.1%	0.3%
Other Ferrous	0.6%	0.7%	0.2%	0.9%
<b>Total Ferrous Metal</b>	<b>1.5%</b>			
<b>Non Ferrous Metal</b>				
Aluminum Cans	0.8%	0.6%	0.5%	1.1%
Aluminum Foil	0.8%	0.7%	0.4%	1.1%
Other Non-Ferrous	0.4%	0.8%	<0.1%	0.8%
<b>Total Non Ferrous Metal</b>	<b>2.0%</b>			
<b>Glass</b>				
All Bottles & Jars	3.4%	3.0%	1.9%	4.8%
Other Glass	0.2%	0.5%	<0.1%	0.4%
<b>Total Glass</b>	<b>3.6%</b>			
<b>Wood</b>				
Pallets	<0.1%	0.2%	<0.1%	0.1%
Lumber	1.1%	3.0%	<0.1%	2.5%
Painted/Treated	0.3%	0.6%	<0.1%	0.6%
Stumps/Heavy Sections	<0.1%	<0.1%	<0.1%	<0.1%
<b>Total Wood</b>	<b>1.5%</b>			
<b>Inert</b>				
Brick, concrete, dirt, asphalt, etc.	2.2%	3.1%	0.8%	3.7%
<b>Yard Waste</b>				
(includes grass, leaves, small branches)	2.7%	4.1%	0.7%	4.6%
<b>Special Waste</b>				
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%	0.2%	<0.1%	0.1%
Infectious Waste	2.0%	7.7%	<0.1%	5.7%
Reusable Waste	0.3%	0.8%	<0.1%	0.7%
<b>Total Special Waste</b>	<b>2.4%</b>			
<b>Brown Goods</b>				
Electronic Goods	1.4%	2.1%	0.8%	2.4%
<b>TOTALS</b>	<b>100.0%</b>			

Notes: 1. Composition based on 17 samples.