

**EXHIBIT A-4**  
**ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2010**  
**ORANGE COUNTY WASTE COMPOSITION**

Material Components	Mean Composition	Standard Deviation	95% Confidence Limits	
			Lower	Upper
<b>Paper</b>				
Newspaper/Print	2.7%	3.4%	0.9%	4.4%
Glossy Magazines	1.2%	1.1%	0.6%	1.8%
Recyclable Corrugated Cardboard	1.6%	1.7%	0.7%	2.5%
Non-Recyclable Cardboard	0.3%	0.7%	<0.1%	0.7%
Phone Books	0.3%	1.1%	<0.1%	0.8%
Paperboard	2.9%	1.3%	2.3%	3.6%
Other Books	0.5%	0.8%	<0.1%	0.9%
White Ledger	0.8%	0.6%	0.5%	1.2%
Mixed Office Paper	3.4%	1.1%	2.8%	4.0%
Other Paper (includes hardback books)	10.7%	5.8%	7.7%	13.7%
<b>Total Paper</b>	<b>24.4%</b>			
<b>Plastics</b>				
All Plastic Bottles	3.1%	2.7%	1.7%	4.6%
Film	8.8%	4.2%	6.6%	11.0%
All Cups & Tubs	3.1%	2.7%	1.7%	4.6%
All Other Plastic (includes styrofoam)	6.7%	3.2%	5.0%	8.4%
<b>Total Plastics</b>	<b>20.4%</b>			
<b>Organics</b>				
Food Waste	16.7%	11.9%	10.5%	22.9%
Textiles/Leather	5.6%	4.8%	3.1%	8.1%
Diapers	16.7%	11.9%	10.5%	22.9%
Other Organics (includes rubber)	4.9%	3.8%	2.9%	6.9%
<b>Total Organics</b>	<b>31.6%</b>			
<b>Ferrous Metal</b>				
Food Containers/Bi-Metal	1.2%	0.9%	0.7%	1.6%
Aerosols	0.5%	0.8%	<0.1%	0.9%
Other Ferrous	1.4%	2.0%	0.4%	2.5%
<b>Total Ferrous Metal</b>	<b>3.1%</b>			
<b>Non Ferrous Metal</b>				
Aluminum Cans	1.1%	1.0%	0.6%	1.6%
Aluminum Foil	0.6%	0.4%	0.3%	0.8%
Other Non-Ferrous	0.9%	0.7%	0.5%	1.2%
<b>Total Non Ferrous Metal</b>	<b>2.5%</b>			
<b>Glass</b>				
All Bottles & Jars	4.6%	4.3%	2.4%	6.9%
Other Glass	0.3%	0.5%	<0.1%	0.6%
<b>Total Glass</b>	<b>4.9%</b>			
<b>Wood</b>				
Pallets	<0.1%	0.2%	<0.1%	0.2%
Lumber	3.3%	4.4%	1.0%	5.6%
Painted/Treated	1.8%	4.4%	<0.1%	4.2%
Stumps/Heavy Sections	<0.1%	<0.1%	<0.1%	<0.1%
<b>Total Wood</b>	<b>5.2%</b>			
<b>Inert</b>				
Brick, concrete, dirt, asphalt, etc.	3.1%	3.9%	1.1%	5.2%
<b>Yard Waste</b>				
(includes grass, leaves, small branches)	3.1%	3.4%	1.3%	4.9%
<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%	0.2%
Infectious Waste	<0.1%	<0.1%	<0.1%	<0.1%
Reusable Waste	<0.1%	<0.1%	<0.1%	<0.1%
<b>Total Special Waste</b>	<b>0.1%</b>			
<b>Brown Goods</b>				
Electronic Goods	1.5%	2.1%	0.8%	2.6%
<b>TOTALS</b>	<b>100.0%</b>			

Notes: 1. Composition based on 14 samples.