

**EXHIBIT 3-8**  
**ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2005**  
**UNC WASTE COMPOSITION**

Material Components	Mean Composition	Standard Deviation	95% Confidence Limits	
			Lower	Upper
<b>Paper</b>				
Newspaper/Print	6.9%	6.7%	1.5%	12.3%
Glossy Magazines	1.8%	3.1%	<0.1%	4.3%
Recyclable Corrugated Cardboard	2.2%	1.7%	0.8%	3.5%
Non-Recyclable Cardboard	2.1%	3.2%	<0.1%	4.6%
Phone Books	<0.1%	0.0%	<0.1%	0.0%
Paperboard	2.1%	1.5%	0.9%	3.3%
Other Books	<0.1%	0.0%	<0.1%	0.0%
White Ledger	3.4%	4.0%	0.1%	6.6%
Mixed Office Paper	1.4%	1.5%	0.2%	2.7%
Other Paper (includes hardback books)	15.0%	7.5%	9.0%	20.9%
<b>Total Paper</b>	<b>34.8%</b>			
<b>Plastics</b>				
All Plastic Bottles	2.9%	2.5%	0.9%	5.0%
Film	8.1%	2.3%	6.3%	10.0%
All Cups & Tubs	1.7%	0.8%	1.0%	2.3%
All Other Plastic (includes styrofoam)	6.7%	4.3%	3.3%	10.1%
<b>Total Plastics</b>	<b>19.4%</b>			
<b>Organics</b>				
Food Waste	21.0%	12.5%	11.0%	31.0%
Textiles/Leather	3.1%	3.1%	0.6%	5.5%
Diapers	1.3%	1.6%	<0.1%	2.6%
Other Organics (includes rubber)	2.2%	1.8%	0.8%	3.7%
<b>Total Organics</b>	<b>27.7%</b>			
<b>Ferrous Metal</b>				
Food Containers/Bi-Metal	2.2%	1.8%	0.7%	3.6%
Aerosols	0.4%	0.3%	0.2%	0.7%
Other Ferrous	1.3%	1.3%	0.2%	2.3%
<b>Total Ferrous Metal</b>	<b>3.9%</b>			
<b>Non Ferrous Metal</b>				
Aluminum Cans	0.9%	0.4%	0.5%	1.2%
Aluminum Foil	2.2%	3.1%	<0.1%	4.7%
Other Non-Ferrous	0.1%	0.3%	<0.1%	0.4%
<b>Total Non Ferrous Metal</b>	<b>3.2%</b>			
<b>Glass</b>				
All Bottles & Jars	1.9%	1.7%	0.6%	3.3%
Other Glass	0.2%	0.3%	<0.1%	0.4%
<b>Total Glass</b>	<b>2.1%</b>			
<b>Wood</b>				
Pallets	<0.1%	0.0%	<0.1%	0.0%
Lumber	0.3%	0.4%	<0.1%	0.6%
Painted/Treated	<0.1%	0.0%	<0.1%	0.0%
Stumps/Heavy Sections	<0.1%	0.0%	<0.1%	0.0%
<b>Total Wood</b>	<b>0.3%</b>			
<b>Inert</b>				
Brick, concrete, dirt, asphalt, etc.	1.8%	3.8%	<0.1%	4.8%
<b>Yard Waste</b>				
(includes grass, leaves, small branches)	<0.1%	0.0%	<0.1%	0.0%
<b>Special Waste</b>				
Lead-Acid Batteries	<0.1%	0.0%	<0.1%	0.0%
Dry Cell Batteries	0.2%	0.3%	<0.1%	0.5%
Oil Filters	<0.1%	0.0%	<0.1%	0.0%
Other Hazardous Waste	<0.1%	0.0%	<0.1%	0.0%
Infectious Waste	6.2%	11.6%	<0.1%	15.5%
Reusable Waste	<0.1%	0.0%	<0.1%	0.0%
<b>Total</b>	<b>Total Special Waste</b>	<b>6.4%</b>	0.5%	
<b>Brown Goods</b>				
Electronic Goods	0.4%		<0.1%	0.4%
<b>TOTALS</b>	<b>100.0%</b>			

Notes: 1. Composition based on 6 samples.