

**EXHIBIT 3-9**  
**ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2005**

<b>Material Components</b>	<b>Orange County</b>	<b>Chapel Hill</b>	<b>Carrboro</b>	<b>Hillsborough</b>	<b>UNC</b>
<b>Paper</b>					
Newspaper/Print	3.4%	4.5%	2.3%	4.3%	6.9%
Glossy Magazines	3.2%	4.3%	3.7%	5.0%	1.8%
Recyclable Corrugated Cardboard	2.7%	2.8%	2.5%	1.8%	2.2%
Non-Recyclable Cardboard	1.6%	1.0%	0.4%	0.8%	2.1%
Phone Books	0.2%	0.1%	0.3%	<0.1%	<0.1%
Paperboard	2.9%	3.1%	3.5%	3.3%	2.1%
Other Books	<0.1%	0.2%	<0.1%	<0.1%	<0.1%
White Ledger	4.9%	1.6%	1.9%	2.6%	3.4%
Mixed Office Paper	4.1%	3.6%	2.1%	3.4%	1.4%
Other Paper (includes hardback books)	12.2%	13.6%	11.2%	11.6%	15.0%
<b>Total Paper</b>	<b>35.3%</b>	<b>34.7%</b>	<b>28.0%</b>	<b>32.8%</b>	<b>34.8%</b>
<b>Plastics</b>					
All Plastic Bottles	3.3%	2.7%	3.0%	1.9%	2.9%
Film	5.6%	5.6%	5.1%	5.2%	8.1%
All Cups & Tubs	1.1%	1.9%	1.0%	1.1%	1.7%
All Other Plastic (includes styrofoam)	10.4%	4.6%	5.7%	5.2%	6.7%
<b>Total Plastics</b>	<b>20.3%</b>	<b>14.7%</b>	<b>14.9%</b>	<b>13.3%</b>	<b>19.4%</b>
<b>Organics</b>					
Food Waste	19.7%	27.5%	21.9%	23.9%	21.0%
Textiles/Leather	5.0%	4.0%	5.9%	8.4%	3.1%
Diapers	2.2%	3.1%	3.9%	2.2%	1.3%
Other Organics (includes rubber)	1.6%	0.9%	3.5%	1.5%	2.2%
<b>Total Organics</b>	<b>28.5%</b>	<b>35.4%</b>	<b>35.2%</b>	<b>36.0%</b>	<b>27.7%</b>
<b>Ferrous Metal</b>					
Food Containers/Bi-Metal	2.2%	1.0%	0.9%	0.7%	2.2%
Aerosols	0.4%	0.3%	0.2%	0.5%	0.4%
Other Ferrous	1.5%	1.0%	1.9%	4.3%	1.3%
<b>Total Ferrous Metal</b>	<b>4.0%</b>	<b>2.3%</b>	<b>3.1%</b>	<b>5.5%</b>	<b>3.9%</b>
<b>Non Ferrous Metal</b>					
Aluminum Cans	0.8%	0.7%	0.6%	0.5%	0.9%
Aluminum Foil	0.7%	0.6%	0.5%	0.8%	2.2%
Other Non-Ferrous	0.4%	0.3%	<0.1%	0.2%	0.1%
<b>Total Non Ferrous Metal</b>	<b>1.8%</b>	<b>1.6%</b>	<b>1.1%</b>	<b>1.6%</b>	<b>3.2%</b>
<b>Glass</b>					
All Bottles & Jars	4.4%	5.3%	4.1%	3.0%	1.9%
Other Glass	0.5%	0.3%	1.4%	0.9%	0.2%
<b>Total Glass</b>	<b>4.9%</b>	<b>5.6%</b>	<b>5.6%</b>	<b>3.9%</b>	<b>2.1%</b>
<b>Wood</b>					
Pallets	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Lumber	1.2%	1.0%	4.7%	0.6%	0.3%
Painted/Treated	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Stumps/Heavy Sections	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
<b>Total Wood</b>	<b>1.2%</b>	<b>1.0%</b>	<b>4.7%</b>	<b>0.6%</b>	<b>0.3%</b>
<b>Inert</b>					
Brick, concrete, dirt, asphalt, etc.	0.8%	1.6%	3.6%	1.2%	1.8%
<b>Yard Waste</b>					
(includes grass, leaves, small branches)	1.1%	1.3%	2.1%	0.8%	<0.1%
<b>Special Waste</b>					
Lead-Acid Batteries	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Dry Cell Batteries	0.1%	<0.1%	0.1%	<0.1%	0.2%
Oil Filters	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Other Hazardous Waste	0.2%	0.4%	0.4%	0.1%	<0.1%
Infectious Waste	<0.1%	0.4%	<0.1%	<0.1%	6.2%
Reusable Waste	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
<b>Total Special Waste</b>	<b>0.5%</b>	<b>0.9%</b>	<b>0.5%</b>	<b>0.1%</b>	<b>6.4%</b>
<b>Brown Goods</b>					
Electronic Goods	1.4%	0.8%	1.3%	4.1%	0.4%
<b>TOTALS</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Notes: 1. Composition based on 6 samples.