

EXHIBIT 3-4
ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2005
ORANGE COUNTY WASTE COMPOSITION

Material Components	Mean Composition	Standard Deviation	95% Confidence Limits	
			Lower	Upper
Paper				
Newspaper/Print	3.4%	2.8%	2.2%	4.7%
Glossy Magazines	3.2%	2.6%	2.0%	4.4%
Recyclable Corrugated Cardboard	2.7%	2.6%	1.5%	3.9%
Non-Recyclable Cardboard	1.6%	4.4%	<0.1%	3.6%
Phone Books	0.2%	0.5%	<0.1%	0.4%
Paperboard	2.9%	1.6%	2.2%	3.7%
Other Books	<0.1%	0.2%	<0.1%	0.1%
White Ledger	4.9%	10.8%	<0.1%	9.7%
Mixed Office Paper	4.1%	3.4%	2.5%	5.6%
Other Paper (includes hardback books)	12.2%	4.6%	10.1%	14.3%
Total Paper	35.3%			
Plastics				
All Plastic Bottles	3.3%	1.4%	2.6%	3.9%
Film	5.6%	2.3%	4.6%	6.7%
All Cups & Tubs	1.1%	0.9%	0.7%	1.4%
All Other Plastic (includes styrofoam)	10.4%	13.2%	4.4%	16.3%
Total Plastics	20.3%			
Organics				
Food Waste	19.7%	13.2%	13.7%	25.6%
Textiles/Leather	5.0%	4.4%	3.0%	7.0%
Diapers	2.2%	3.1%	0.8%	3.6%
Other Organics (includes rubber)	1.6%	2.0%	0.7%	2.5%
Total Organics	28.5%			
Ferrous Metal				
Food Containers/Bi-Metal	2.2%	1.8%	1.3%	3.0%
Aerosols	0.4%	0.4%	0.2%	0.5%
Other Ferrous	1.5%	2.2%	0.5%	2.5%
Total Ferrous Metal	4.0%			
Non Ferrous Metal				
Aluminum Cans	0.8%	0.4%	0.6%	0.9%
Aluminum Foil	0.7%	0.3%	0.5%	0.8%
Other Non-Ferrous	0.4%	1.1%	<0.1%	0.8%
Total Non Ferrous Metal	1.8%			
Glass				
All Bottles & Jars	4.4%	6.8%	1.3%	7.5%
Other Glass	0.5%	1.0%	<0.1%	1.0%
Total Glass	4.9%			
Wood				
Pallets	<0.1%	0.0%	<0.1%	0.0%
Lumber	1.2%	1.5%	0.5%	1.8%
Painted/Treated	<0.1%	0.3%	<0.1%	0.2%
Stumps/Heavy Sections	<0.1%	0.0%	<0.1%	0.0%
Total Wood	1.2%			
Inert				
Brick, concrete, dirt, asphalt, etc.	0.8%	2.1%	<0.1%	1.8%
Yard Waste				
(includes grass, leaves, small branches)	1.1%	2.1%	0.2%	2.1%
Special Waste				
Lead-Acid Batteries	<0.1%	0.0%	<0.1%	0.0%
Dry Cell Batteries	0.1%	0.2%	<0.1%	0.2%
Oil Filters	<0.1%	0.2%	<0.1%	0.2%
Other Hazardous Waste	0.2%	0.7%	<0.1%	0.5%
Infectious Waste	<0.1%	0.0%	<0.1%	0.0%
Reusable Waste	<0.1%	0.0%	<0.1%	0.0%
Total Special Waste	0.5%			
Brown Goods				
Electronic Goods	1.4%	1.7%	0.7%	2.2%
TOTALS	100.0%			

Notes: 1. Composition based on 19 samples.