

EXHIBIT A-3
ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2010
MULTI FAMILY WASTE COMPOSITION

Material Components	Mean Composition	Standard Deviation	95% Confidence Limits	
			Lower	Upper
Paper				
Newspaper/Print	2.5%	2.0%	0.9%	4.0%
Glossy Magazines	1.0%	1.0%	0.2%	1.8%
Recyclable Corrugated Cardboard	1.6%	1.2%	0.6%	2.6%
Non-Recyclable Cardboard	0.4%	0.5%	<0.1%	0.9%
Phone Books	0.1%	0.4%	<0.1%	0.4%
Paperboard	3.0%	1.5%	1.7%	4.2%
Other Books	<0.1%	<0.1%	<0.1%	<0.1%
White Ledger	0.8%	0.6%	0.3%	1.2%
Mixed Office Paper	2.4%	0.9%	1.7%	3.1%
Other Paper (includes hardback books)	8.8%	2.9%	6.5%	11.1%
Total Paper	20.5%	11.0%		
Plastics				
All Plastic Bottles	2.9%	1.3%	1.9%	4.0%
Film	6.6%	2.0%	5.0%	8.2%
All Cups & Tubs	1.9%	1.1%	1.0%	2.8%
All Other Plastic (includes styrofoam)	5.6%	2.5%	3.6%	7.6%
Total Plastics	17.1%	6.9%		
Organics				
Food Waste	22.5%	5.7%	17.9%	27.1%
Textiles/Leather	7.6%	9.3%	0.1%	15.0%
Diapers	5.3%	4.0%	2.1%	8.4%
Other Organics (includes rubber)	3.9%	2.0%	2.3%	5.4%
Total Organics	39.2%	21.0%		
Ferrous Metal				
Food Containers/Bi-Metal	0.8%	0.3%	0.6%	1.1%
Aerosols	0.4%	0.2%	0.2%	0.6%
Other Ferrous	0.8%	1.1%	<0.1%	1.7%
Total Ferrous Metal	2.0%	1.6%		
Non Ferrous Metal				
Aluminum Cans	1.6%	1.3%	0.6%	2.7%
Aluminum Foil	0.3%	0.2%	0.2%	0.5%
Other Non-Ferrous	1.3%	1.5%	<0.1%	2.5%
Total Non Ferrous Metal	3.3%	3.1%		
Glass				
All Bottles & Jars	6.7%	2.9%	4.4%	9.0%
Other Glass	<0.1%	<0.1%	<0.1%	<0.1%
Total Glass	6.7%	3.0%		
Wood				
Pallets	<0.1%	<0.1%	<0.1%	<0.1%
Lumber	1.9%	2.0%	0.3%	3.5%
Painted/Treated	0.8%	1.3%	<0.1%	1.8%
Stumps/Heavy Sections	<0.1%	<0.1%	<0.1%	<0.1%
Total Wood	2.7%	3.3%		
Inert				
Brick, concrete, dirt, asphalt, etc.	2.1%	2.4%	0.1%	4.0%
Yard Waste				
(includes grass, leaves, small branches)	3.9%	5.3%	<0.1%	8.2%
Special Waste				
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%	<0.1%	<0.1%	<0.1%
Infectious Waste	<0.1%	<0.1%	<0.1%	<0.1%
Reusable Waste	0.4%	1.1%	<0.1%	1.3%
Total Special Waste	0.5%	1.1%		
Brown Goods				
Electronic Goods	2.1%	3.6%	0.8%	5.0%
TOTALS	100.0%			

Notes: 1. Composition based on 6 samples.