

Broken Sound Country Club (Boca Raton, FL) Green waste & Food waste Composting Operation

Broken Sound Country Club is a private golf and country club consisting of 1600 homes and condominiums with 2 award winning golf courses and expansive recreational facilities. With a strong commitment to environmental responsibility Broken Sound teamed with Environmental Controlled Waste and the South Dade Soil and Water Conservation District to develop a closed loop composting operation to handle the community's organic waste. The result is a 2 phase composting system utilizing rotary drum composting and covered aerated static pile (CASP) curing to insure rapid composting with no odors.

7 yd3 of landscaping material from the residential community, golf, and recreational facilities is mixed with 3 yd3 of food waste from the club's restaurants on a daily basis and feed into a rotary drum digester for the first phase of the composting process. After 5 days the material is then transferred to 3 Managed Organic Recycling, Inc. (MOR) compost covers and aerated for the compost curing phase. Control of odors is of great concern in the high end community which led Broken Sound to utilize MOR's compost covers in their operation.

Finished compost is screened on site and applied to the 2 golf courses and the residential landscape closing the loop on organic waste collection and processing for Broken Sound. The operation produces an effective soil amendment will saving on disposal fees and reducing the cost for fertilizer, pesticides and fungicides by at least a third.

TECH SPECS

START UP	October 2009
SITE FOOTPRINT	1/2 acre
CAPACITY	230yd3/wk
ACTIVE COMPOSTING PHASE	5 days
CURING TIME	3 weeks
SCREEN SIZE (FINISHED PRODUCT)	3/8-inch



NEAREST RECEPTORS 75FT.
NO ODOUR COMPLAINTS

