

IPS Composting System: Burlington County, New Jersey

In 1998, the Burlington County Board of Chosen Freeholders opened its 25-wide bay co-composting facility. This regional facility is designed to process 200 tons of biosolids daily from 14 of the county's wastewater treatment plants with shredded woodwaste, yardwaste, and other organic materials.

Located at the 522-acre Burlington County Resource Recovery Complex, the co-composting facility is one of numerous environmental enterprises. The complex features a landfill, hydroponic greenhouse, aquaponics, wood recycling facility, research and education Eco-Complex, and methane-to-electricity microturbines.

The County owns all the facilities but out-sourced the co-composting design, build, operation and end-product marketing.

The facility is comprised of: 1) a receiving, processing and curing building; 2) a visitor observation room; 3) finished compost storage; and 4) an administration and maintenance building.



Inside the process building, two reel auger blenders mix the compostable materials. The blended mixture is placed into bays where a machine mixes, agitates, and moves the material daily. The system is computer-controlled to enable converting the material into a higher quality, marketable end product. All the air from the process building is treated through two biofilters.

The composting facility assures the community long-term self sufficiency by recycling materials into a valuable resource. It extends the county landfill life and eliminates dependence on uncertain out-of-county disposal alternatives.

Burlington County, New Jersey

Owner: Burlington County Board of Chosen Freeholders

On Line: May 1998

Engineers: Wheelabrator Clean Water, New Jersey, Inc.

Capacity: 700 cubic yards per day

Processing: Biosolids with woodwaste and yardwaste

Facility Size: 25 bays, each 205 feet long by 10 feet wide; 160,000 square feet enclosed composting and curing building; 1.5 acre asphalt storage pad; 3500 square feet maintenance and office building

Odor Control: 2 biofilters, 43,000 square feet each

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