

IPS Composting System: Rockland County, New York

ROCKLAND County Recycling and Composting Center (R2 C2) serves as a model for other communities in the state of New York. Beginning in 1991, the Authority designated a 34 acre site in Hillburn, New York to fulfill solid waste and biosolids management goals. Rather than depend on short-term out-of-state solutions, the Authority opted for self-sufficiency and provided a long-term management alternative. The plan involved four county-owned facilities, including a transfer station, a recyclables pre-processing facility, a materials recovery facility (MRF) and a co-composting plant.

Designed by the Maguire Group and Wright Pierce, Inc. and constructed by Waste Management of New York (WMNY), the nine wide-bay composting facility utilizes the Siemens IPS Composting System to process biosolids, yard waste and clean wood waste. The County owns the four facilities and contracts operations to private companies.

The composting facility contracted services include shredding wood waste on-site, compost operations, hauling biosolids to the facility from the wastewater treatment plants, and marketing the finished compost.



Biosolids and other waste material are mixed inside the totally enclosed composting plant and loaded into the bays. Processed for 21 days, the compost is transferred to an aerated curing area in the same building. After a 39-day curing period, the finished compost is transferred to a covered screening, storage and distribution area.



Rockland County, New York

Owner: Rockland County Solid Waste Management Authority

On Line: February 1999

Engineers: Maguire Group, Inc. and William F. Cosulich Associates

Capacity: 110 wet tons biosolids

Processing: Biosolids with clean wood

Facility Size: 9 bays, each (feet) 215 long x 10 wide x 7 high; 50,465 square feet (sf) composting and curing building; 2,800 sf MCC and office; 3,000 sf amendment building; 27,000 sf compost storage.

Odor Control: Chemical scrubbers followed by Envirogen™ enclosed innoculate bark-type media biofilter, discharged to 60 foot stack

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