

IPS Composting System: Delaware County, New York

In 2005, the Delaware County, New York Department of Public Works completed construction of its Municipal Solid Waste (MSW) Co-Composting Facility. Because of declining capacity and difficulty to site another landfill, the County undertook this ambitious project to extend the life of its landfill by 20 years.

This project employed a unique public/private partnership between the County and the General Contractor. The County performed construction services, including concrete work while the General Contractor provided design and construction supervision.

Located at the Town of Walton, the Co-Composting Facility serves a rural population of about 45,000 people. The entire processing facility is totally enclosed in a three-acre stainless steel building that houses the following components:

- MSW and biosolids receiving area
- Rotating bioreactor with 72 hours detention capacity
- Primary refining and sorting area
- IPS Composting System with 56-day processing time
- Advanced secondary refining system
- 90-day curing and storage area



In lieu of tip fees, local sales tax and state recycling grants funded the project. The Joint Venture's two-phased contract involved preliminary engineering and permitting followed by construction and turnkey operations. Initially, compost is expected to be used in land reclamation, soil erosion, and public works projects.



IPS Composting System in stainless steel structure

Delaware County, New York

Owner: Delaware County Department of Public Works

On Line: October 2005

General Contractor: Joint Venture of Conporec/S&W Services, Inc.

IPS Capacity: 200 cubic yards per day

Processing: 42,000 tons per year of municipal solid waste and biosolids

Facility Size: 14 bays, each 235 feet long x 8 feet high x 10 feet wide; 3-acre enclosed building with receiving area, bioreactor, primary refining and sorting area, IPS maturation, secondary refining system, curing and storage.

Odor Control: 23,000 square foot biofilter

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