

Lockport Biosolids & Yard Trimmings

Lockport, NY - USA

Commencing operations in 1991, the City of Lockport compost facility is the **oldest operating composting facility utilizing BDP technology**. The facility incorporates twelve 6.5 feet wide x 220 feet long bays and three 25 HP BDP agitators to co-compost @ 100 WTPD of municipal biosolids from Lockport and other local municipal WWTP's and 100 WTPD of ground yard trimmings from City collection. The facility is staffed by 3 full time employees and operates 6 days per week 8 hours per day. Average ambient temperatures at the facility range from the mid teens to the mid 80s F. A traditional wood chip type biofilter is used for odor control. The material undergoes 21 days of active composting in the bays to meet USEPA Class A time/temperature requirements for pathogen destruction (PFRP = 3 days at 55C) and Vector Attraction Reduction (VAR = 14 days at >40C). The product then undergoes a minimum of 2 months of curing in outdoor wind rows. The City markets all of the finished compost directly primarily to commercial soil blenders, landscapers and homeowners. Lockport also uses a BDP Belt Press to de-water their biosolids.



BDP Belt Press in Lockport WWTP



Lockport Facility Showing Discharge Pit Design



Loading Area with Stayflex Coating

Primary Compost Material	30,000 WTPY Biosolids
Key Characteristics	Anaerobically Digested 20% DS from a BDP Belt Press
Secondary Compost Material	50,000 WTPY Yard Trimmings
Key Characteristics	From Municipal collection. Ground to <2"
Facility Start Up	January 1991
Total Facility Size	@ 3 acres
Facility Engineer	O'Brien and Gere Syracuse, NY
Plant Contact	Chris Peacock – City of Lockport. Facility Manager
BDP Contact	Richard Nicoletti – Compost Systems Manager