

Riker's Island Food and Green Waste Facility

New York, NY - USA

Located in the middle of New York City, The Riker's Island Correctional Facility (RICF) houses approximately 14,000 inmates. Commencing operations in 1996, the RICF Compost facility is **the smallest operating composting facility utilizing BDP technology. It is also the closest compost facility to major populations – within 300 feet of prison dormitories.** The facility incorporates two 6.5 feet wide x 180 feet long bays and one 30 HP BDP agitator to co-compost @ 8 WTPD of food scraps from the prison cafeterias with @ 8 WTPD of ground yard trimmings from City collection. The facility is staffed by 2 full time employees and operates 6 days per week 8 hours per day. Average ambient temperatures at the facility range from the -10F to 90F. A traditional wood chip type biofilter is used for odor control. The material undergoes 14 days of active composting in the bays and then undergoes about 2 months of curing in outdoor wind rows immediately adjacent to the compost facility. The finished compost is then screened to remove remaining contaminants. The compost is either used directly at the RICF for their organic farming training program or NYC uses it for the various parks located throughout the City including the world famous Central Park.



Kitchen Waste in Compost Facility Receiving Bunker



Aerial View of RICF. Compost Facility located in top right.



Compost Material at the Discharge End of the Bays

Primary Compost Material	3,000 WTPY Food Scraps
Key Characteristics	Pre and Post Consumer. @ 30% dry solids
Secondary Compost Material	3,000 WTPY Yard Trimmings
Key Characteristics	From Municipal collection. Ground to <2"
Facility Start Up	January 1996
Total Facility Size	@ 1 acre
Facility Engineer	HDR Engineering – White Plains, NY Office
Plant Contact	Brian Fleury – WeCare Organics (Facility Contract Operator)
BDP Contact	Richard Nicoletti – Compost Systems Manager