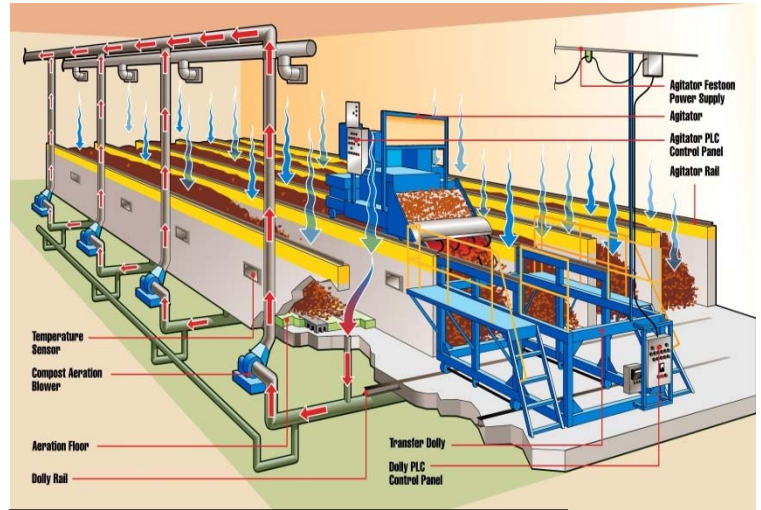


Tianjin Biosolids & Agricultural Byproducts

Tianjin, China

Commencing operations in 2012, the Tianjin compost facility has the distinction of being **the first facility to combine BDP's agitated bay technology with BacTee's negative aeration system for the bays.** Negative aeration provides for the highest level of odor containment and control while reducing fog potential inside the building. Using an extensive network of conveyors, including for bay loading and unloading, the facility is completely automated from material receipt thru compost discharge. It was designed and built by BacTee's parent company MTI China. It incorporates twenty 10 feet wide x 280 feet long bays using two 100 HP BDP agitators to co-compost @ 250 WTPD of municipal biosolids from Tianjin with 25 WTPD of rice hulls and other agricultural by products. The facility is staffed by 10 full time employees and operates 7 days per week 16 hours per day. Average ambient temperatures at the facility range from 10F to 90F. An enclosed compact MTI biofilter is used for odor control. The material undergoes 21 days of active composting in the bays. Approximately 75% of the discharged material is recycled to the front of the compost bays for use as bulking agent. The remaining 25% material, which is more like a fertilizer product than compost, is land applied as fertilizer replacement.

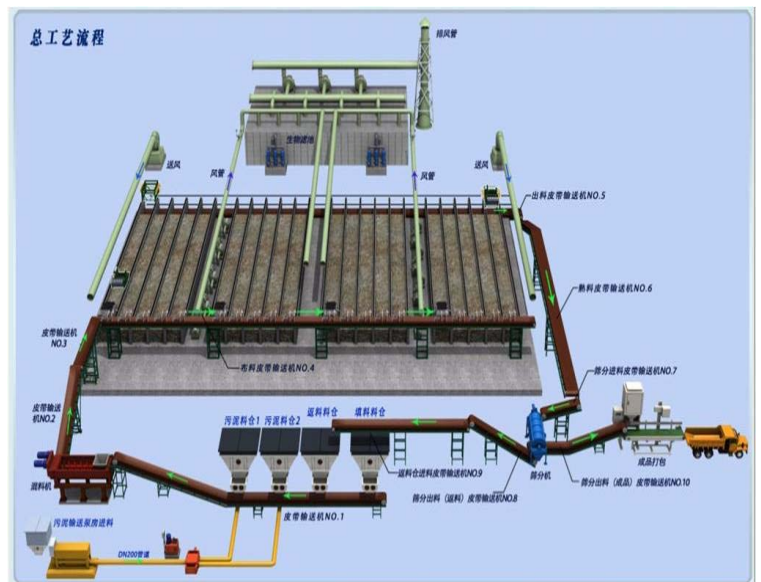


Schematic of Facility Airflow with Negative Aeration



Tianjin Compost Facility and Biofilter Discharge Stack

Primary Compost Material	@ 90,000 WTPY Biosolids
Key Characteristics	Undigested 20% DS from a screw press.
Secondary Compost Material	@ 10,000 WTPY of various agricultural byproducts
Key Characteristics	Dry organic material like rice hulls, corn straw, etc... <2"
Facility Start Up	December 2012
Total Facility Size	@5 acres
Facility Engineer	MTI China
Plant Contact	Don Wang – MTI USA
BDP Contact	Rich Nicoletti – Compost Systems Manager



Fully Automated Facility Schematic