

Mindarie Organic Waste Facility

Perth, Australia

Commencing operations in 2009, Mindarie Regional Council's compost facility is one of a number of **solid waste compost facilities that utilize a rotating drum for sorting ahead of BDP's agitated bays**. Solid Waste is loaded into the rotating drum where it is subjected to physical reduction from the tumbling action for approximately 1 day. After the material is discharged from

the drum the material is sent to an approximate 1.5 inch screen. The fraction that is > 1.5 inch is predominantly inorganic contaminants and disposed of in landfill. The fraction that is < 1.5 inch is predominantly organics and belt conveyed to the BDP bays for composting. The Mindarie facility is highly automated through a series of conveyors including ones that are used to load and unload the composting bays. The facility incorporates thirty two 10 feet wide x 200 feet long bays and two 100 HP BDP agitators to compost @ 275 WTPD of municipal organics. The facility is staffed by 10 full time employees and operates 6 days per week 8 hours per day. Average ambient temperatures at the facility range from the 10F to 90 F. A traditional wood chip type biofilter is used for odor control. The material undergoes 28 days of active composting in the bays. The product is then removed from the site for curing elsewhere prior to final use in agricultural and commercial operations.

Primary Compost Material	@100,000 WTPY Organic Solid Waste
Key Characteristics	40% - 50% DS from after drum. Max particle size 1.5"
Secondary Compost Material	None
Key Characteristics	Not Applicable
Facility Start Up	January 2009
Total Facility Size	@ 8 acres
Facility Engineer	GHD – Cazenovia, NY
Plant Contact	Marco Giusti – SITA (Facility Operations Contractor)
BDP Contact	Richard Nicoletti – Compost Systems Manager

Tip Floor



Sorting and Prep Drum



Automated Bay Loading



Automated Bay Unloading

