



Miller Waste Systems

Large Scale In-Vessel Composting

Presentation To:
City of Guelph

Objectives

- ◆ Brief overview of the Miller Group.
- ◆ Focusing on the service Miller Waste provides
- ◆ Miller Composting and the Ebara Technology



Who Is Miller Waste?

- ◆ Our Parent Company is:



The Miller Group

- ◆ Private, Canadian Owned
- ◆ Established Business
 - . Since 1917
 - . Focus on Infrastructure



Miller History

- ◆ Early Road Construction



Miller History

- ◆ Early Road Construction



The Miller Group

Diversified Company
Construction
Transportation
Material Supply
Waste Management



The Miller Group

- ◆ Strong Reliance on Government Contracts
 - 80% of Revenue from Governments



Who Is Miller Waste?

- ◆ In Business Since 1961
- ◆ Services Provided:
 - Collection and Disposal of Hazardous and Non Hazardous Waste (Municipal and Industrial/Commercial)
 - Composting
 - Recycling
- ◆ Markets Serviced:
 - Ontario
 - Maritimes
 - Manitoba



Who Is Miller Waste?

- ◆ Employee Driven Company in 6 Area Operations
- ◆ Able to Provide Design/Build and Design/Build/Operate Solutions
- ◆ Capability to Finance Projects



Miller Composting (MC)

- ◆ Focused Solely on the Compost Industry
- ◆ Provide complete range of services: from Consulting to Operating to Marketing to Financing
- ◆ Committed to provide Market leadership .



MC's Composting Facilities

- ◆ Lunenburg Regional Composting Facility
- ◆ Halifax Regional Municipality
- ◆ Pictou County Composting Facility
- ◆ Durham Region Composting Facility
- ◆ York Region Composting Facility



Lunenburg Regional Composting Facility



Halifax Regional Municipality



Pictou County Compost Facility



Pickering, Ont



Receiving Area



Sorting & Grinding Area



Vessel Loading Area



Vessel Loading



Vented Floor



Air Scrubbers



Biofilter

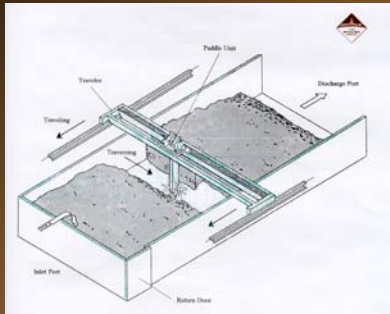


Ebara Technology

- ◆ Exclusive To Miller Waste
- ◆ Proven Japanese technology
- ◆ Wide Bed in-vessel system
- ◆ Developed by Ebara Corporation of Tokyo



The Ebara Vessel



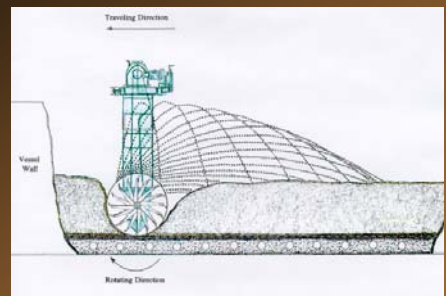
Ebara Wide Bed Vessel



The Heart of the Ebara System



The Ebara Composting Technology



Screening the Cured Material



Compost: The Finished Product



The Ebara System Characteristics

- ◆ *Operationally Proven*
- ◆ *Environmentally friendly*
 - Controls odours
 - Controls Rodents and Vectors



The Ebara System Characteristics

- ◆ *Cost Effective*
 - Low Labour Cost
 - Low Operating Cost
 - Low Repair & Maint. cost



The Ebara System Characteristics

◆ *Complete Process Control*

- Time
- Temperature
- Agitation
- Air Flow
- Moisture Content



Summary

- ◆ Optimized Interior Space Utilization
- ◆ Proven Operational Design
- ◆ Ability to “push” and “pull” Vessel aeration
- ◆ Leachate Recirculation
- ◆ Active Turning System



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2007