



Hamilton

Waste Composition Studies

Item 7.5

Waste Composition Studies

What are waste composition studies?

- Waste composition studies (also called waste audits) are when waste is examined to determine the make-up of the material generated in different waste streams
- Result in valuable data used to determine the performance of different waste streams and/or waste sources

Common Waste Composition Terms

Diversion Rate	The percentage of material audited that is kept from being landfilled
Capture Rate	The percentage of divertible material in a divertible stream that is actually diverted from landfill
Contamination Rate	The percentage of a divertible waste stream that is incorrect material

Waste Composition Studies

Hamilton's Waste Composition Study Schedule

Type	Schedule	Most Recent	Next Planned
Single-Family	Bi-Annual	Fall 2022	2025
Multi-Residential	Bi-Annual	Spring 2022	2024
Material Recycling Facility Floor	Quarterly	May 2023	August 2023
Material Recycling Facility Truck	Bi-weekly	June 6, 2023	June 21, 2023
Central Composting Facility Floor	Fund Dependent	Summer 2022	TBD



Waste Composition Studies

- Most recent waste composition study carried out was on 250 single family homes in the fall of 2022

2022 Single-Family Waste Composition Study Results	
Diversion Rate	45%
Capture Rate of Blue Box Material	73%
Capture Rate of Green Bin Material	44%
Contamination Rate of Blue Box Material	9%
Contamination Rate of Green Bin Material	6%