

1.0 INTRODUCTION

1.1 Definitions

Backyard Compostable/Non-Compostable Food Waste:

Food waste found throughout the audit was either classified as Backyard Compostable or Non-Backyard Compostable. Backyard Compostable food includes materials that can typically be put into a backyard composter, including: Fruits & Vegetables, Rice, Grains, & Breads. Non-Backyard compostable items include: Fats/Oils, Dairy, Fish/Meat, & Bones.

Capture Rate:

The capture rate is the percentage of a recyclable/compostable material recovered of the total amount of that material generated. It is an excellent indicator of how well a recycling/organics program is working for a particular material.

Contamination Rate:

The percentage of material in a recycling or organics program that is not accepted in the program. An example would be the amount of non-recyclable material found within the recycling stream.

Diversion Rate:

The diversion rate is the percentage of the total waste generated that is diverted from disposal into the various reuse and recycling programs.

Garbage Stream:

Material that is collected for disposal rather than diversion. It will include divertible material (recyclable/compostable materials) where the diversion programs are not operating at 100% capture. This material is sometimes referred to as residual waste or landfilled.

HSW/HHW:

Household Special Waste/Household Hazardous Waste is material that is potentially harmful to the environment (hazardous) and should be disposed of through special handlers (e.g. motor oil, batteries, chemicals, paint, etc.).

Participation Rate:

The percentage of the total households sampled that placed a bag, box, cart, or container of material out for curbside collection on any given week.

Recycling Stream:

Material that is diverted from the garbage stream in a recycling program such as Blue Box recycling. May also be referred to as “Recyclables”. Within this report common recyclables are referred to as the items accepted in Oxford County’s curbside recycling program.

1.2 Background

Oxford County contracted AET Group Inc (AET) to conduct waste composition auditing and reporting on the current waste disposal situation occurring in the non-hazardous industrial, commercial, institutional (ICI), and residential sectors of Oxford County. Three detailed audits were conducted to understand the material from the generating sources (Single family Residential Curbside Audit, Inbound Waste Management Facility Audit (Physical), and Inbound Waste Management Facility Audit (Visual)).

AET was also contracted to study the amount ICI waste generated within the County but is disposed of elsewhere (exported). Results of this study are provided in a separate report.

1.3 Audit Scope

Single family Residential Curbside Audit

The scope of this portion of the study involved a physical audit of solid, non-hazardous waste generated curbside during a two-week sample collection period from 240 households across the county. Two teams were deployed to complete the study from Monday, March 20th - Friday, March 31st, 2017, in which all the waste material generated and sampled during the auditing period was subject to waste composition analysis. The auditors also carried out full curbside collection surveying to determine the types and amounts of materials set out for collection at the curbside and participation. The spring audit schedule can be viewed in Table 1.1.

Table 1.1 Spring Audit Schedule

Oxford County - Curbside Team Schedules						
Week 1						
	Monday	Tuesday	Wednesday	Thursday	Friday	
Team A	35th Line (Zorra)	273 Tunis St. (Ingersoll)	22 Gibson Dr (Tiltsenburg)	1165 Iroquoic Cres. (Woodstock)	River Rd/Young/Fennel (Blandford-Blenheim)	
	John Street (Zorra)	30 Laurel Crescent (Ingersoll)	21 Parkside Dr (Tiltsenburg)	830 Springbank Ave (Woodstock)	Oxford Road 8 (Blandford-Blenheim)	
		119 Carnegie Street (Ingersoll)	8 King St (Tiltsenburg)		16th Line (East Zorra-Travistock)	
Team B	Totten Place (Woodstock)	2 Henderson Court (Ingersoll)	583388 Hamilton Rd (South-West Oxford)	4 Clyde St. (Norwich)	51 Liebler Street (East Zorra-Travistock)	
	Cross Place (Woodstock)	200 Three Wood Dr (Woodstock)	13 Thistle Ct (Tiltsenburg)	Pleasant Valley Rd. (Norwich)		
	King Street (Woodstock)	283465 Daniel Rd (South-West Oxford)				
Week 2						
	Monday	Tuesday	Wednesday	Thursday	Friday	
Team A	35th Line (Zorra)	273 Tunis St. (Ingersoll)	22 Gibson Dr (Tiltsenburg)	1165 Iroquoic Cres. (Woodstock)	River Rd/Young/Fennel (Blandford-Blenheim)	
	John Street (Zorra)	30 Laurel Crescent (Ingersoll)	21 Parkside Dr (Tiltsenburg)	830 Springbank Ave (Woodstock)	Oxford Road 8 (Blandford-Blenheim)	
		119 Carnegie Street (Ingersoll)	8 King St (Tiltsenburg)		16th Line (East Zorra-Travistock)	
Team B	Totten Place (Woodstock)	2 Henderson Court (Ingersoll)	283465 Daniel Rd (South-West Oxford)	4 Clyde St. (Norwich)	51 Liebler Street (East Zorra-Travistock)	
	Cross Place (Woodstock)	200 Three Wood Dr (Woodstock)	13 Thistle Ct (Tiltsenburg)	Pleasant Valley Rd. (Norwich)		
	King Street (Woodstock)			583388 Hamilton Rd (South-West Oxford)		

*Order of areas has been carefully selected according to location and known truck routes

*Daniel Rd. and Hamilton Rd have 8-day collection schedules

*First number of house on street included on some streets, but always consult sample area description

Garbage only
 Garbage and Recycling

Inbound Waste Management Facility Audit (Physical)

The scope of this portion of the study involved a physical audit of inbound waste management facility material consisting of solid, non-hazardous waste landfilled during a three-week sampling period. A target of 75 loads was set to be sampled and audited over the study period (March 13-March 31, 2017).

Inbound Waste Management Facility Audit (Visual)

The scope of this portion of the study involved a visual volumetric audit of inbound waste management facility landfilled loads consisting of solid, non-hazardous waste during a three week sampling period. One team leader was stationed at the landfill tipping face for a minimum of 6 hours per day from Monday, March 13th- Friday, March 31st, 2017 (Mon-Fri).