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**Recycle More. Waste Less.**

**Brock University  
2024 Solid Non-Hazardous Waste Audit**

Prepared for:

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Waste Reduction Group Project P1471 Rev. 1  
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## Executive Summary

Brock University retained the services of Waste Reduction Group Inc to conduct a solid non-hazardous waste audit at its campus located in St. Catharines, Ontario. A waste audit was conducted during the fall of 2024. Twenty-four hour samples of materials were collected for the waste audit from 24 buildings, consisting of approximately 1108 kg of garbage, 181 kg of mixed recycling and 15 kg of organics. The collected samples were audited over ten (10) days. Waste materials collected for the audit were tagged to indicate the functional area of the building that generated the waste, including office, public, food service kitchens, food service dining areas, food service tenant areas, washrooms, labs, self-contained residences and outdoor bins. The following summarizes the waste stream compositions determined from the audit:

Material	Garbage Stream	Recycle Stream	Organic Stream
Compostable Fibres	20.7%	5.7%	15.4%
Non-recyclable	16.8%	5.5%	0.2%
Organic Food Waste	16.8%	7.3%	74.9%
Total Mixed Papers	15.8%	22.8%	9.1%
Total Mixed Containers	10.8%	42.8%	0.4%
Coffee Cups	4.0%	6.3%	--
Food/snack wrappers	3.8%	--	--
LDPE Plastic Films	3.6%	1.5%	--
Other Paper Drink Cups	1.8%	1.8%	--
Corrugated Cardboard	1.1%	1.7%	--
Office Supplies (Pens/Markers, etc)	0.9%	--	--
PPE	0.7%	0.1%	--
Take out food packaging	0.7%	--	--
Styrofoam	0.7%	--	--
Textiles	0.6%	--	--
Scrap Metal	0.3%	--	--
Electronic wastes	0.2%	3.1%	--
Scrap Wood	0.2%	1.5%	--
Gloves	0.2%	--	--
Batteries	0.1%	--	--
Compostable Dishware	0.1%	--	--
Lab Plastics	0.05%	--	--
Contamination Rate	--	32.8%	9.8%

Waste diversion programs have been implemented on campus for cardboard, mixed recycling, confidential papers, scrap metals, organics, coffee cups, oil & grease, bulbs & ballasts, electronic wastes, batteries, yard wastes, wood pallets, printer toners, used furniture/clothing donations, lab bottles, LCBO/Beer Store returns, and waste reduction initiatives. Through discussions with Brock U and waste management and recycling service providers, estimates of the annual amounts of solid non-hazardous waste materials disposed and diverted were determined. The following table

summarizes the annual quantities of wastes reduced, reused, recycled, composted and disposed in the reporting period.

**Annual Quantities Disposed & Diverted**

Material	Total Annual Amount (MT)
Disposed to Landfill	614.29
Materials Reduced	17.26
Materials Reused	6.22
Materials Recycled	530.48
Materials Composted	342.17
Total Waste Generated	1510.41

Based on the total annual amount of waste generated and materials diverted, the waste diversion rate at Brock U was determined to be approximately 59.3%. Ontario's Waste Free Waste Strategy indicates interim goals of 50% diversion rate by 2030 and 80% by 2050. Brock U's management team are committed to maintaining a high diversion rate and minimizing the amount of materials disposed to landfill.

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## 1 Introduction

Brock University (Brock U) retained the services of Waste Reduction Group Inc to conduct a solid non-hazardous waste audit in 2024 at its campus located in St. Catharines, Ontario. The waste audit examined representative samples of waste (garbage, mixed recycling and organics) from the campus over a ten (10) day period in the fall of 2024. One (1) location was re-sampled in January 2025. The purpose was to gain an understanding of the quantities and composition of solid wastes generated on campus.

Brock U is a multi-building community that has approximately 18,639 full-time equivalent (FTE) students (2022/23) and staff that generate waste and recyclable materials. Refer to Attachment A1, Appendix A for referenced data.

Brock U conducted a solid non-hazardous waste audit to comply with the requirements of O.Reg. 102/94 and to further improve upon their present waste reduction, reuse and recycling (3Rs) programs.

### 1.1 Purpose

The purpose of the solid non-hazardous waste audit was to:

- Comply with Part X of O.Reg. 102/94 'Waste Audits and Waste Reduction Work Plans', which requires the operator of an educational institution with more than 350 students enrolled per year, to conduct an annual waste audit and prepare and implement a waste reduction work plan (Refer to Appendix A for a partial excerpt of O.Reg.102/94);
- Confirm compliance with Section 14 of O.Reg.103/94 'Industrial, Commercial and Institutional Source Separation Programs' and Part X 'Educational Institutions' of the Schedule attached to the Regulation (Refer to Appendix A for a partial excerpt of O.Reg.103/94).
- Determine the annual waste diversion rate for Brock U resulting from existing waste reduction, reuse, and recycling (3Rs) programs;
- Identify point of generation and quantify composition of wastes at Brock U;
- Identify any additional opportunities for waste reduction and diversion that may exist at Brock U;
- Identify potential cost savings associated with the disposal of solid waste materials; and
- Address any specific concerns or opportunities identified during the study.

### 1.2 Scope of Work

To satisfy the purpose of the waste audit, the following scope of work was completed:

- Collected data pertaining to waste composition and collection practices between September 24<sup>th</sup> and October 4<sup>th</sup>, 2024, October 8, 2024 and January 31<sup>st</sup>, 2025.
- Determined the total quantity of waste materials diverted from landfill by Brock U through current reduction, reuse, and recycling programs;
- Completed a Waste Audit Report (per MECP protocol) that addressed the amount, nature and composition of the waste, the manner by which the waste was generated, including management decisions and policies that relate to the production of waste, and the way in which the waste is managed on campus; and
- Completed a Waste Reduction Work Plan (per MECP protocol) regarding plans to reduce, reuse and recycle waste on campus. The report set out who will implement each part of the plan, when each part will be implemented and what the expected results shall be.

## 2 Methodology

Discussions were held with Brock U personnel to review existing waste management and recycling programs implemented on campus. Based on previous audit experience and information gathered by Brock U, a detailed waste audit schedule was developed. The waste audit was performed over a six (6) day period, as summarized in Table 1:

**Table 1: Waste Audit Sample Summary**

Date	Building/Location
Sept. 24, 2024	Walker West, South Block, Harrison Hall/Kenmore Hall, Welch Hall, CUB
Sept. 25, 2024	Student Centre, GSB, Plaza-Bookstore, Cairns,
Sept. 26, 2024	Outdoor Bins, BRIC, Heritage Place Plaza
Sept. 27, 2024	Alphie's, Tower, Thistle, Scotia Bank Hall (SBH)
Oct. 1, 2024	DeCew Residence, Quarry View South Residence
Oct. 2, 2024	Residence 8, MacKenzie Chown-Inniskillin
Oct. 3, 2024	Village Residence, Lowenberger Residence
Oct. 4, 2024	Burlington Campus
Oct. 8, 2024	BRIC - Resampled
Jan. 31, 2025	Marilyn I. Walker School - Resampled

In coordination with the Brock U staff, twenty-four hour samples of waste was collected from each of the identified buildings on the audit schedule. Bags of garbage, mixed recycling and organics were collected and tagged, describing the functional area within the building that generated the waste material, as summarized in Table 2:

**Table 2: Waste Audit - Functional Area Summary**

Functional Areas included in Waste Audit Samples
• Office / Administrative Areas
• Public Areas (Class rooms, lobbies, lounges, libraries, corridors, etc.)
• Washrooms
• Food Services – Kitchens
• Food Services – Dining Areas
• Laboratories
• Self contained residences
• Outdoor bins

The tagged bags of wastes were brought to designated collection areas by Brock U staff and placed into temporary plastic pushcarts supplied by Waste Reduction Group. The total bagged weights of all sample materials collected from each functional area per building were recorded. Refer to Appendix A for a copy of the Scale Calibration Certificate.

Waste materials were then unloaded, sorted into individual material categories, weighted, re-bagged and disposed of in the appropriate garbage or recycling bins. Samples were sorted by a qualified two (2) person team from Waste Reduction Group. Some of the materials source separated by Brock U for recycling (i.e. cardboard, organics, ewastes, printer toners, etc) were not collected and categorized during the audit, due to infrequency of generation, however the annual quantity of each material was reviewed and included in the audit results.

Waste material categories were established prior to the audit based on O.Reg.103/94 requirements for source separation at educational institutions, including:

- Aluminum food or beverage cans (including cans made primarily of aluminum);
- Cardboard (corrugated);
- Fine paper;
- Glass bottles and jars for food or beverages;
- Newsprint; and
- Steel food or beverage cans (including cans made primarily of steel).

In addition to these standard categories other important waste streams such as other mixed containers (PET, HDPE, polypropylene, aseptic, gable top), organic wastes, paper towels (includes all compostable fibres and other one-time use paper products), mixed plastics, Styrofoam, coffee cups, one-time paper disposable cups, yard waste, electronic waste (ewaste), scrap wood, scrap metal and special wastes (i.e. batteries, bulbs and ballasts) were included depending on what auditors found in the samples.

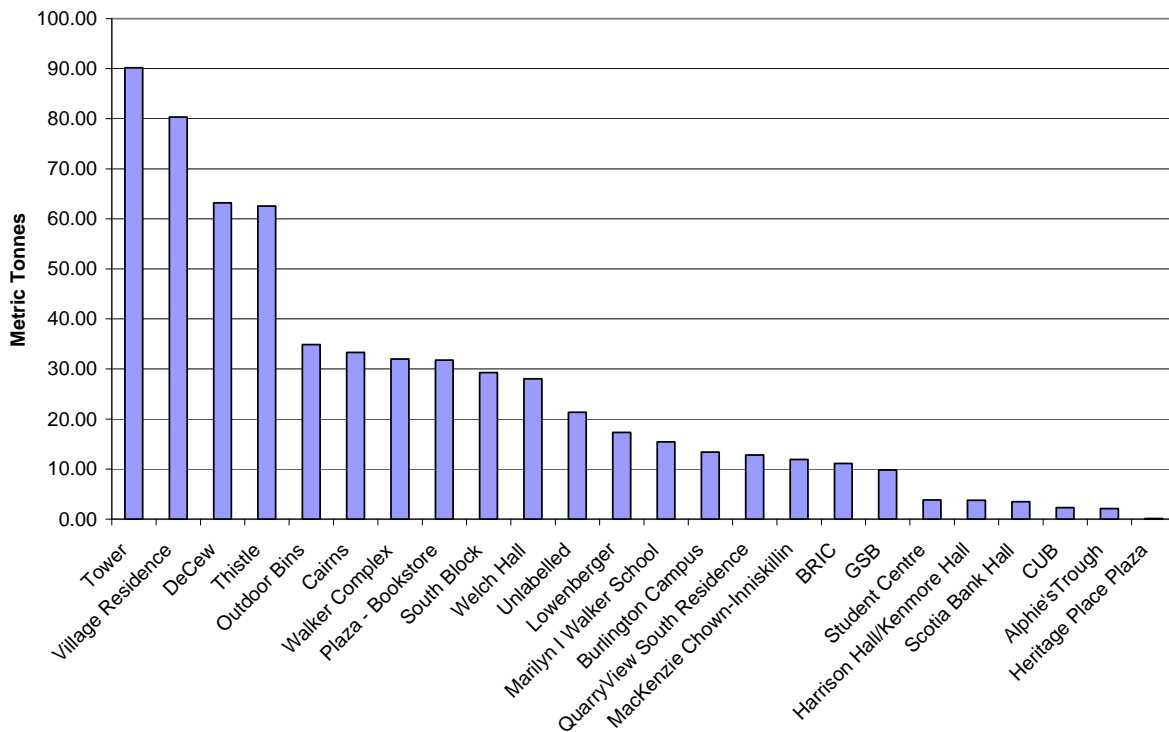
### 3 Waste Audit Results

#### 3.1 Garbage Quantities & Distribution

A key aspect of O. Reg. 102/94 is for waste generators to gain a good understanding of the areas of their operation that generate the most waste, how it is generated, as well as the waste composition. One can use this information to focus their recycling and waste reduction efforts efficiently and effectively.

Figure 1 and Table 3 ranks garbage generated per building based on the audit results.

**Figure 1: Brock University 2024 Garbage Generation Distribution**



**Table 3: Waste Audit - Annual Garbage Generated per Building (Based on 24-hr Sample)**

Building Name	Percentage <sup>(1)</sup> %	Annual Quantity Metric Tonnes
Tower	14.68%	90.20
Village Residence	13.07%	80.31
DeCew Residence	10.29%	63.22
Thistle	10.18%	62.56
Outdoor Bins	5.67%	34.85
Cairns	5.43%	33.34
Walker Complex	5.21%	32.00
Plaza - Bookstore	5.17%	31.78
South Block	4.76%	29.25
Welch Hall	4.56%	28.04
Unlabelled	3.47%	21.35
Lowenberger Residence	2.83%	17.35
Marilyn I Walker School	2.51%	15.45
Burlington Campus	2.18%	13.37
QuarryView South Residence	2.08%	12.81
MacKenzie Chown-Inniskillin	1.94%	11.92
BRIC	1.81%	11.12
GSB	1.60%	9.80
Student Centre	0.62%	3.84
Harrison Hall/Kenmore Hall	0.61%	3.77
Scotia Bank Hall	0.56%	3.46
CUB	0.37%	2.27
Alphie'sTrough	0.34%	2.12
Heritage Place Plaza	0.02%	0.12
<b>Total</b>	<b>100.0%</b>	<b>614.29</b>

Note 1: Percentage based on 24-hr garbage sample results from the waste audit.

Therefore, Schmon Tower, Village Residence, DeCew Residence, Thistle, Outdoor bins, Cairns, Walker Complex, Plaza - Bookstore and South Block were the most significant generators of garbage on campus, accounting for approximately 74% of the garbage stream sample.

As noted above, a review of Brock U's activities identified the following functional areas within campus buildings:

- Office / Administrative Areas
- Public Areas
- Washrooms
- Food Service – Kitchens
- Food Service – Dining Areas
- Laboratories
- Self-Contained Residences
- Outdoor Bins

Table 4 ranks garbage generated per building functional area based on the audit results.

**Table 4: Waste Audit – Annual Garbage Generated per Functional Area**

Functional Area	Percentage <sup>(1)</sup> %	Annual Quantity Metric Tonnes
Public Areas	26.0%	159.94
Residences	20.3%	124.69
Food Services - Dining	17.0%	104.55
Washrooms	8.6%	52.77
Food Services - Kitchens	8.5%	52.06
Unlabelled Bags	6.4%	39.20
Outdoor Bins	5.7%	34.85
Labs	4.6%	28.12
Office & Admin	2.9%	18.11
Total	100.0%	614.29

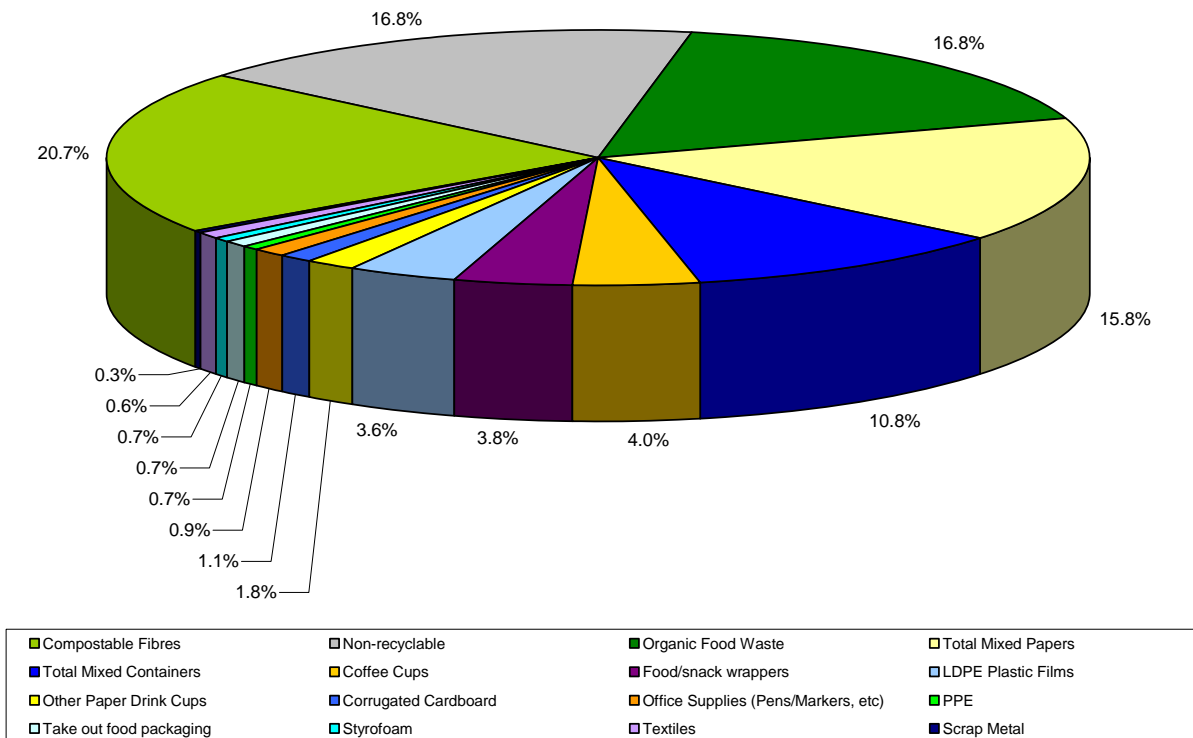
*Note 1: Percentage based on 24-hr garbage sample results from the waste audit.*

Therefore, public areas, residences, food services – dining and washrooms generated the most garbage on campus, accounting for approximately 72% of the garbage stream.

### 3.2 Garbage Composition

The total weight of garbage collected and sorted for the Fall 2024 waste audit was 1107.93 kg. In 2015, a summer waste audit was also conducted to estimate garbage composition during the summer period in order to account for seasonal variability. Figure 2 summarizes the overall combined garbage composition from the 2024 fall waste audit and 2015 summer waste audit.

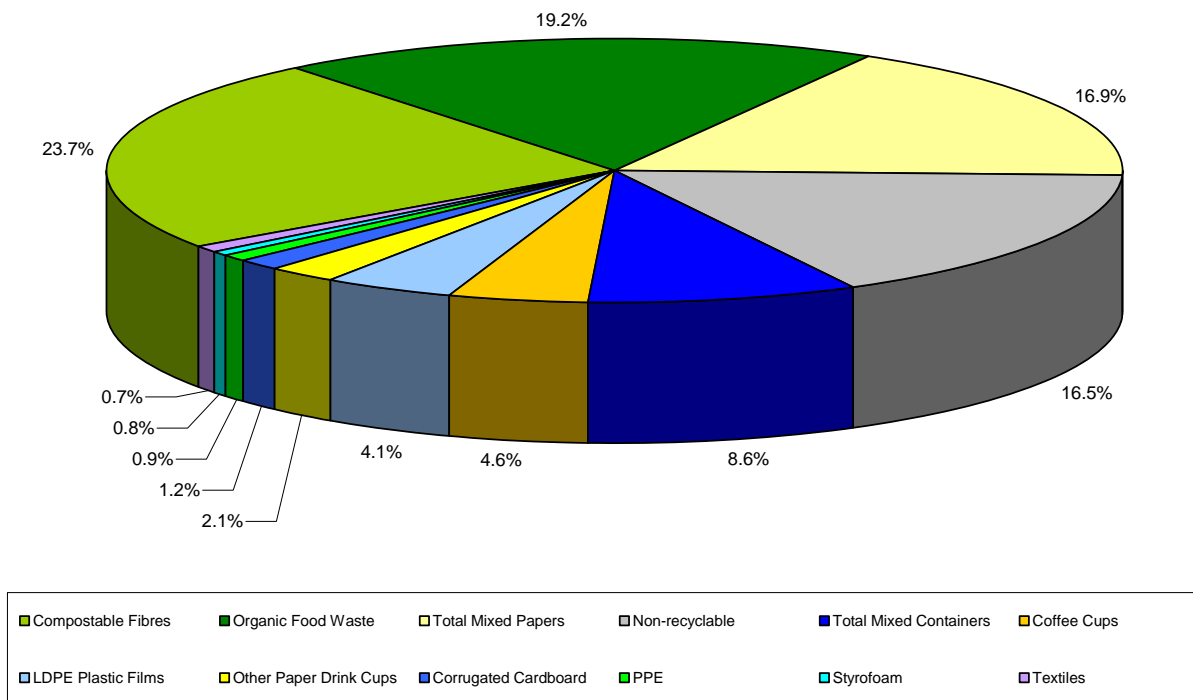
**Figure 2: Brock University Overall Garbage Composition**  
 (Combined Fall 2024 & Summer 2015 Garbage Compositions)



### 3.2.1 Fall Garbage Composition

The total weight of waste collected and sorted for the fall audit was 1107.93 kg. Figure 3 summarizes the overall fall waste composition of the audited sample:

**Figure 3: Brock University 2024 Fall Garbage Composition**



Summary tables for each building per waste generation functional area, including waste composition, weights and percentages, are included in Appendix B.

Table 5 summarizes the largest primary categories (i.e. >5%) of waste materials per generation area (based on the total combined amount of garbage audited):

**Table 5: Waste Audit - Primary Waste Categories per Generation Area**

Waste Generation Area	Percent of Sample (By Weight)	Compostable Fibres	Non-recyclable	Organics	Mixed Papers	Mixed Containers	Coffee Cups	Food/Snack Wrappers	Plastic Films
Public Areas	26.0%	9.2%	24.8%	12.8%	16.5%	15.4%	5.3%		
Residences	20.3%	19.6%		31.3%	23.8%	7.5%			8.1%
Food Services Dining	17.0%	35.6%	6.4%	29.9%	13.9%	6.5%			
Washrooms	8.6%	68.1%	9.1%						
Food Services Kitchens	8.5%	16.4%	5.5%	13.0%	20.0%	19.6%	6.1%		8.8%
Unlabelled Bags	6.4%	9.2%	32.4%	6.9%	10.9%	5.7%		19.8%	
Outdoor Bins	5.7%	12.5%	9.7%	23.1%	20.1%	11.1%	10.4%		
Labs	4.6%	13.4%	75.4%						
Office & Admin	2.9%	6.8%	13.1%	5.5%	17.8%	29.1%	8.7%	5.1%	
Total	100.0%	20.7%	16.8%	16.8%	15.8%	10.8%	<5%	<5%	<5%

Compostable fibres were found in fairly high quantities in all of the audited areas. Based on the waste audit results, it was estimated that approximately 20.7% of solid waste disposed to landfill consisted of compostable fibres, or approximately 127 MT annually. Paper towels content was especially high in garbage streams from washroom, dining and residence areas. Brock U may want to focus on washroom wastes in order to capture the paper towels disposed to the garbage. Often paper towels can be mixed with cardboard or organic programs depending on vendor specifications.

Organic food wastes were found in high quantities in most areas that were audited. Based on the waste audit results, it was estimated that approximately 16.8% of solid waste disposed to landfill consisted of organic materials, representing 103 MT annually. This is down from 23.9% in 2023. Organic content was especially high in residence, dining and outdoor areas. An organics program is implemented on campus. It is recommended that Brock U focus attention on organics diversion in this area in order to capture and divert more organic materials from landfill.

High amounts of mixed containers and mixed papers were found in the garbage stream from most areas of the university. Based on the waste audit results, it was estimated that approximately 15.8% (down from 16.3% in 2023) and 10.8% (down from 16.9% in 2023) of solid waste disposed to landfill consisted of mixed papers and mixed containers respectively (or approximately 97 MT and 66 MT annually). Brock U has implemented a mixed recycling program for mixed papers and mixed containers. Results suggest that better collection systems, improved labels, program promotion and/or student/employee/cleaner education may be required to capture more of these materials.

### 3.2.2 Summer Garbage Composition

Refer to Brock U's 2015 Waste Audit Report (Waste Reduction Group Project P0525, dated February 2016) for details regarding Brock U's summer garbage composition.

### 3.2.3 Office/Administrative Areas

Based on the Fall 2024 garbage stream audited from office/administrative areas, the largest primary categories of waste generated were as follows:

○ Mixed Papers:	27.2%
○ Coffee Cups:	16.4%
○ Compostable Fibres:	12.9%
○ Residual Materials:	11.2%

The percentage of mixed papers was high especially since a recycling program has been implemented for this material. Results suggest that improved collection systems, signs, program promotion and/or staff/cleaner education may be required to capture more of these materials.

Office/Administrative Areas in the following buildings were found to generate the most garbage compared to all office/administrative areas that were audited:

○ Tower:	23.6%
○ Marilyn I Walker School:	16.9%
○ Thistle:	13.8%

### 3.2.4 Public Areas

Based on the Fall 2024 garbage stream from public areas, the largest primary categories of waste generated were as follows:

○ Residual Materials:	28.3%
○ Mixed Papers:	17.4%
○ Organics:	15.8%
○ Compostable Fibres:	11.3%

The percentage of mixed papers was high especially since a recycling program has been implemented for this material. Results suggest that improved collection systems, signs, program promotion and/or staff/cleaner education may be required to capture more of these materials.

Public Areas in the following buildings were found to generate the most garbage compared to all public areas that were audited:

○ Schmon Tower:	21.7%
○ Outdoor Bins:	17.9%
○ Thistle:	13.3%

### 3.2.5 Washrooms

Based on the Fall 2024 garbage stream audited from washroom areas, the largest primary categories of waste generated were as follows:

- Compostable Fibres: 76.5%
- Non-Recyclable: 8.1%

The percentage of compostable fibres was high in washroom waste. Brock U may wish to investigate the feasibility of implementing a paper towel recycle program, or replacing paper towels in washrooms with reusable hand towels or hand dryers. Often, paper towels can be included with organic or cardboard recycle programs.

Washrooms in the following buildings were found to generate the most garbage compared to all washrooms that were audited:

- Tower: 25.3%
- South Block: 16.0%
- Thistle: 13.9%

### 3.2.6 Food Service – Kitchen Areas

Based on the Fall 2024 garbage stream audited from food service kitchen areas, the largest primary categories of waste generated were as follows:

- Total Mixed Papers: 20.0%
- Total Mixed Containers: 19.6%
- Compostable Fibres: 16.4%
- Organic Material: 13.0%

The percentage of mixed papers and mixed containers were high, especially since a recycling program has been implemented for these materials on campus. Results suggest that better collection systems, improved signs, program promotion and/or staff/student education may be required to improve the capture rate of these materials. The percentages of organics and compostable fibres were high in kitchen waste. Brock U may wish to investigate the feasibility of expanding the organic 3Rs program, implementing a paper towel 3Rs program or blending organic food wastes with paper towels (depending on hauler requirements).

Food Service Areas in the following buildings were found to generate the most garbage compared to all food service kitchen areas that were audited:

- South Block: 58.9%
- Welch Hall: 13.6%
- Walker West: 12.2%

### 3.2.7 Food Service – Dining Areas

Based on the Fall 2024 garbage stream audited from food service dining areas, the largest primary categories of waste generated were as follows:

- Compostable Fibres: 35.6%
- Organics: 29.9%
- Total Mixed Papers: 13.9%

The percentage of compostable fibres and organics were very high, especially since an organics 3Rs programs has been implemented in dining areas. Results suggest that better collection systems, improved signs, program promotion and/or staff/student education may be required to improve the capture rate of these materials. Focus should also be placed on diverting more papers and containers from dining areas.

Food Service Dining Areas in the following buildings were found to generate the most garbage compared to all food service dining areas that were audited:

- Village Residence: 34.4%
- Schmon Tower: 24.1%
- Thistle: 22.8%

### 3.2.8 Laboratories

Based on the total amount of waste audited from lab areas, the largest primary categories of waste generated were as follows:

- Non-Recyclable: 75.4%
- Compostable Fibres: 13.4%

The percentage of compostable fibres was high. Brock U may wish to investigate the feasibility of implementing a paper towel recycle program.

Lab areas in the following buildings were found to generate the most garbage compared to all labs that were audited:

- Cairns: 90.0%
- Welch Hall: 8.3%

### 3.2.9 Residences

Based on the Fall 2024 garbage stream from residences, the largest primary categories of waste generated were as follows:

- Organics: 31.3%
- Mixed Papers: 23.8%
- Compostable Fibres: 19.6%

The percentage of organics and compostable fibres were high in addition to the amount of paper fibres found, especially since an 3Rs programs has been implemented in residences for these materials.

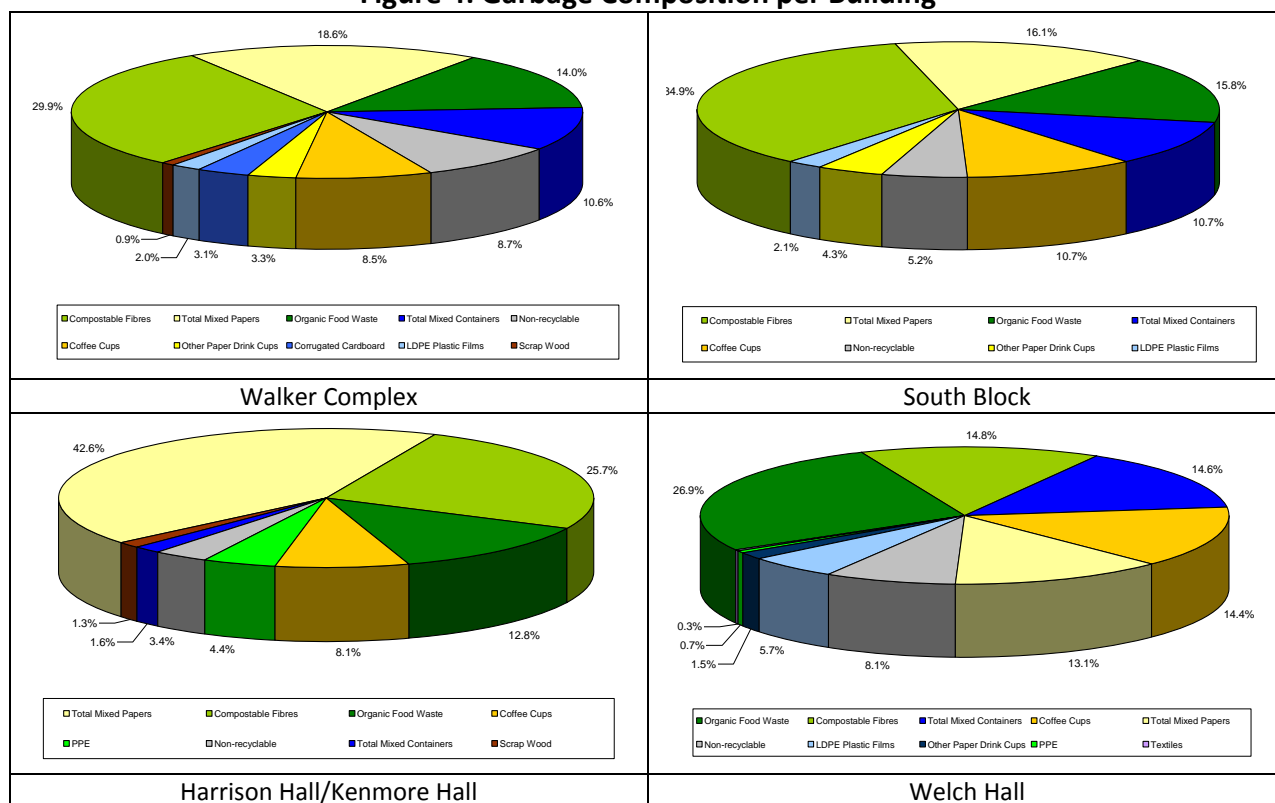
The following residences were found to generate the most garbage:

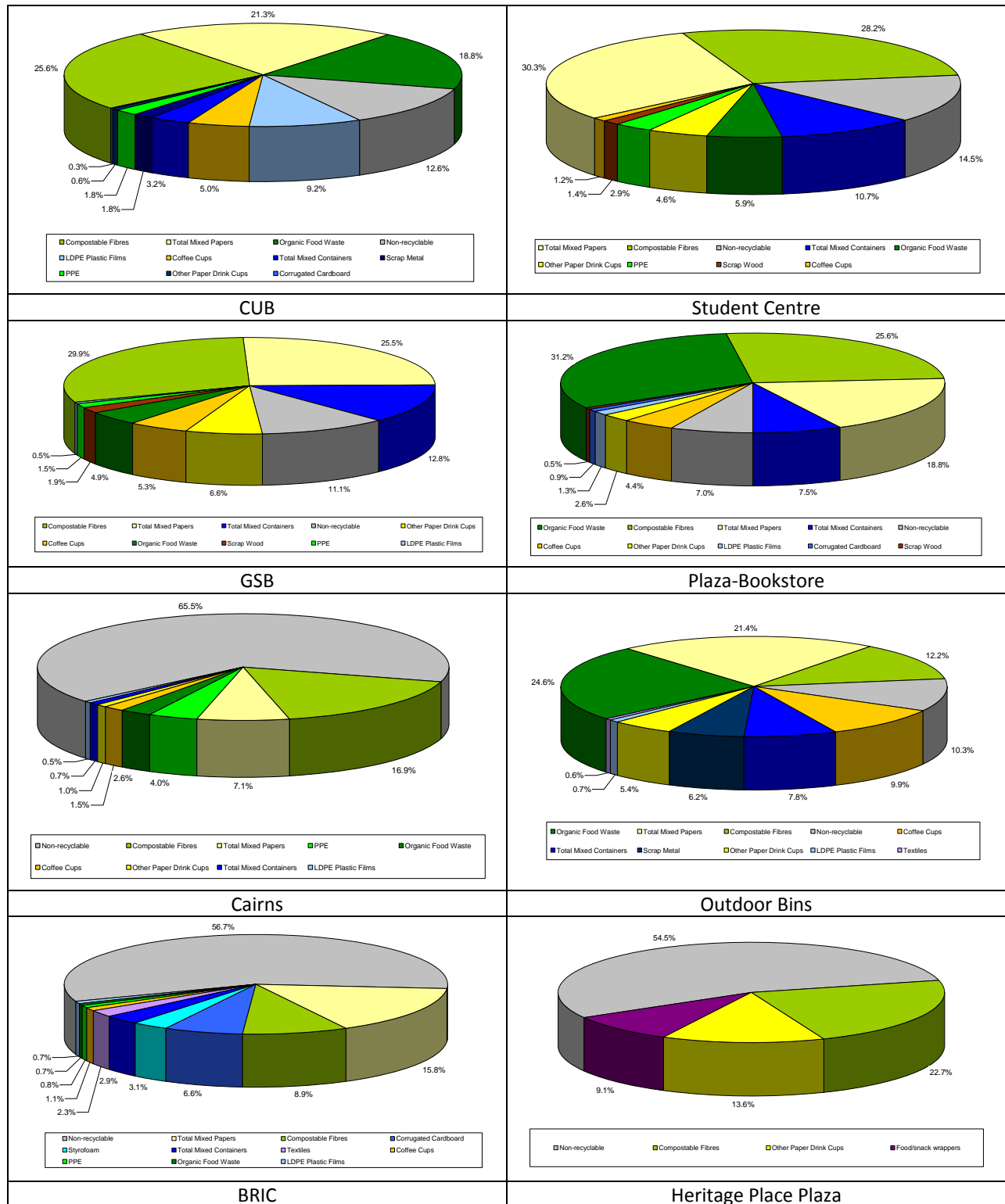
- DeCew Residence: 50.7%
- Village Residence: 15.6%
- Lowenberger Residence: 13.9%

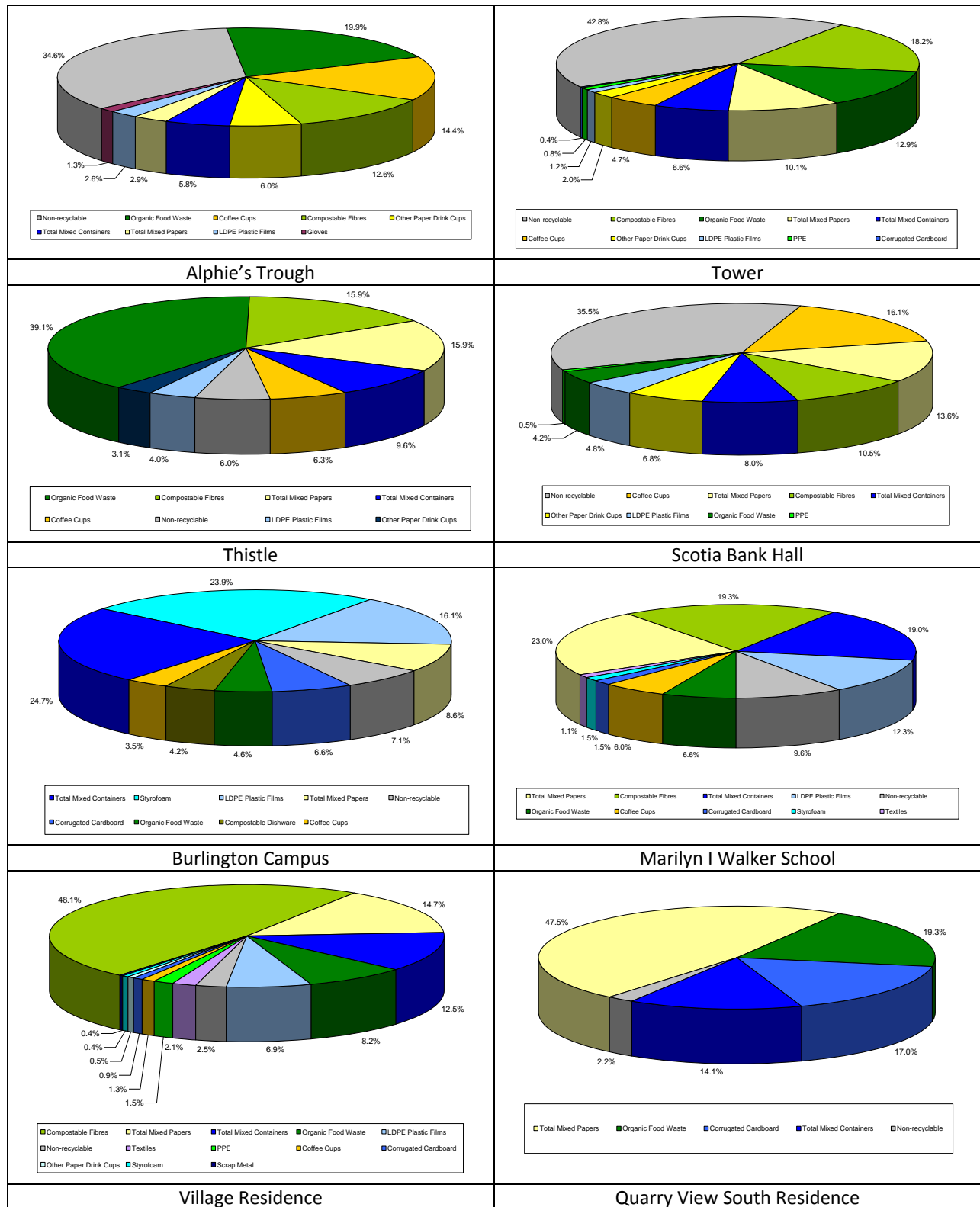
### 3.3 Garbage Composition per Building

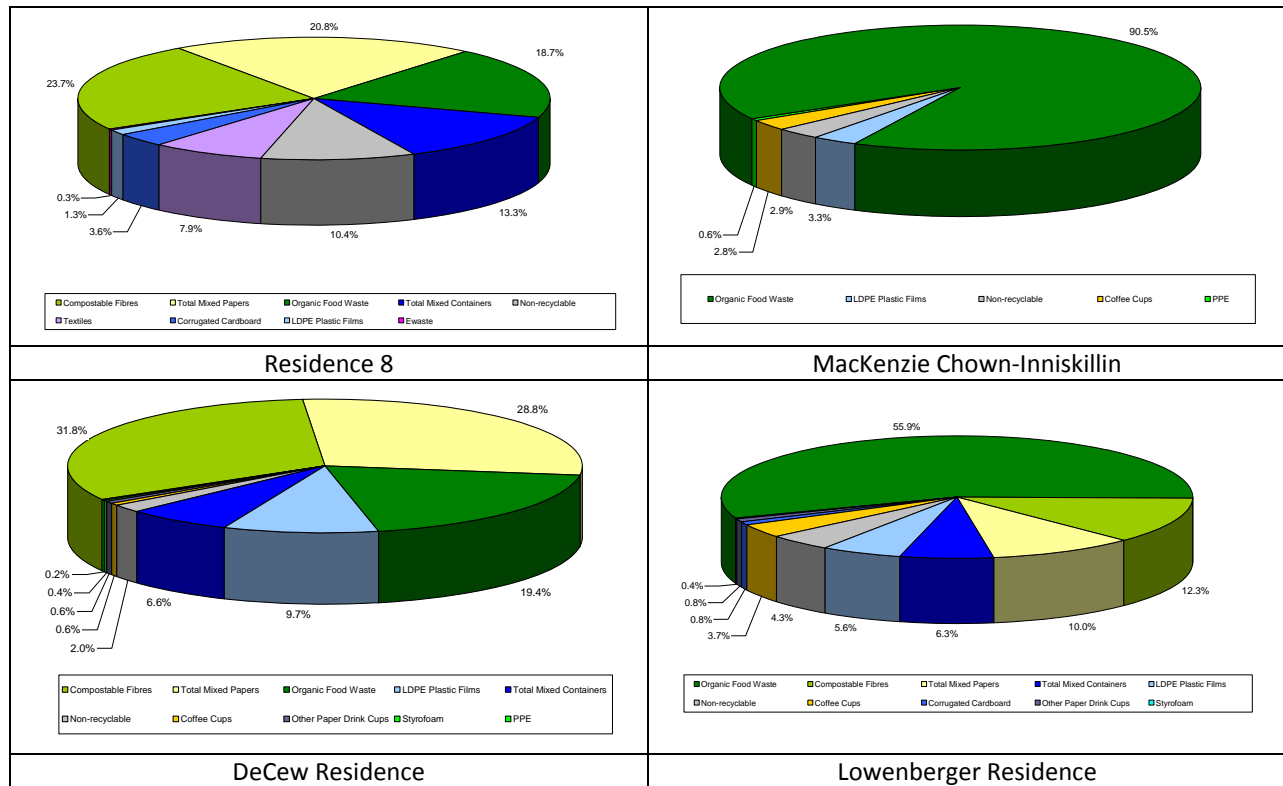
Figure 4 summarizes the overall garbage composition determined for each building based on 24-hour sample results.

**Figure 4: Garbage Composition per Building**









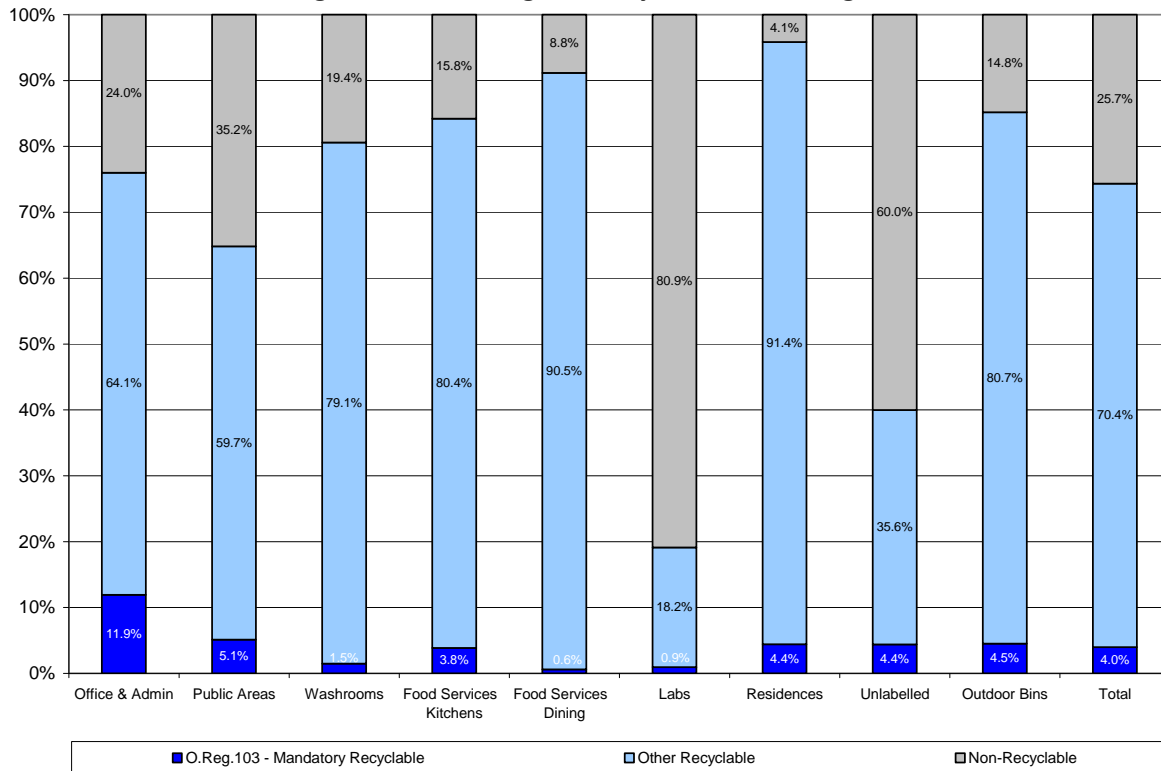
### 3.4 Percentage of Recyclables in Garbage

O.Reg. 103/94 requires that educational institutions source separate the following materials (at a minimum):

- Aluminum food or beverage cans (including cans made primarily of aluminum);
- Cardboard (corrugated);
- Fine paper;
- Glass bottles and jars for food or beverages;
- Newsprint; and
- Steel food or beverage cans (including cans made primarily of steel).

Figure 5 summarizes the quantity of these mandatory recyclable materials compared to other recyclable and non-recyclable materials found in the 2024 waste audit samples.

**Figure 5: Percentage of Recyclable in Garbage**



BrockU has a ‘mandatory’ recyclable content of 4.0% in the combined garbage of the university (down from 6.5% in 2023). The main ‘mandatory’ recyclable materials were fine papers and aluminum containers. ‘Other Recyclables’ represented 70.4% of the sample (down from 75.8% in 2023) and consisted mainly of compostable materials (compostable fibres and organics). Non-recyclables represented approximately 25.7% of the sample (up from 17.7% in 2023).

### 3.5 Recyclable Material Distribution

Samples of source separated recyclables were collected from various functional areas on campus during the fall waste audit period. Table 6 ranks recyclable materials generated per building functional area based on the waste audit results.

**Table 6: Waste Audit – Recyclables Generated per Functional Area**

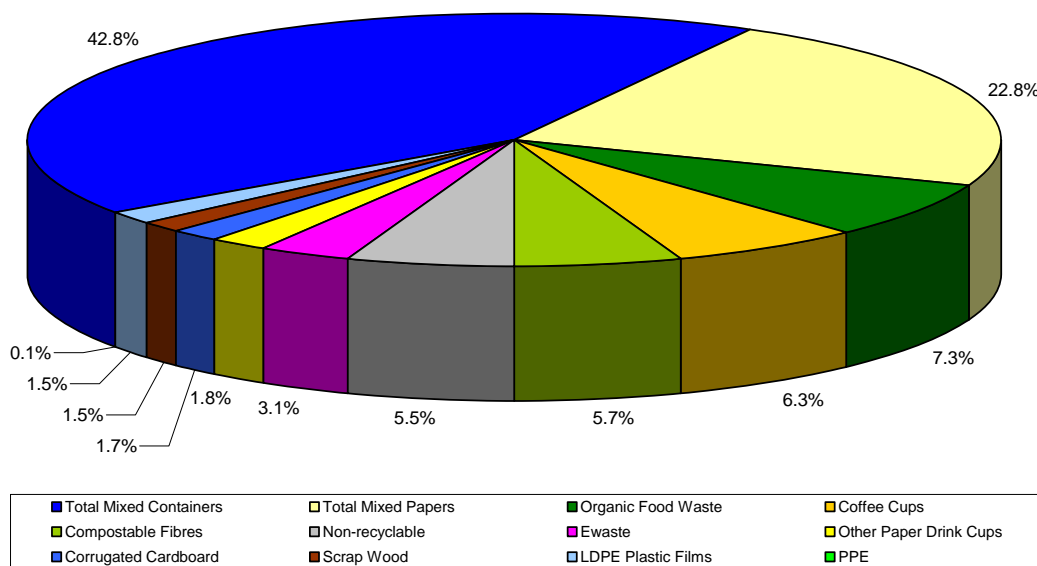
Functional Area	24-h Sample Quantity kg	Percentage %
Food Services Kitchens	106.10	58.5%
Outdoor Bins	39.03	21.5%
Public Areas	31.87	17.6%
Office & Admin	4.39	2.4%
Washrooms	0.06	0.03%
Food Services Dining	0.00	0.0%
Labs	0.00	0.0%
Residences	0.00	0.0%
Total	181.45	100.0%

Therefore, food services – kitchens, outdoor bins and public areas generated the most recyclables on campus, accounting for approximately 98% of the recycle stream.

### 3.6 Recyclable Material Composition

The total weight of recyclables collected and sorted for the audit was 181.45 kg. Figure 6 summarizes the overall composition of the audited sample. The recyclable sample had a contamination rate of 32.8%, up slightly from the contamination rates determined in 2022 and 2023 (i.e. 27.6% and 28.8% respectively). The main materials contributing to the contamination included organics, coffee cups, compostable fibres, non-recyclable items and electronic wastes.

**Figure 6: Recyclable Material Composition Summary**



Summary tables for each building per waste generation functional area, including waste composition, weights and percentages, are included in Appendix B.

### 3.7 Organic Material Distribution

Samples of source separated organics were collected from various functional areas on campus during the fall waste audit period. Table 7 ranks recyclables generated per building functional area based on the waste audit results.

**Table 7: Waste Audit – Organics Generated per Functional Area**

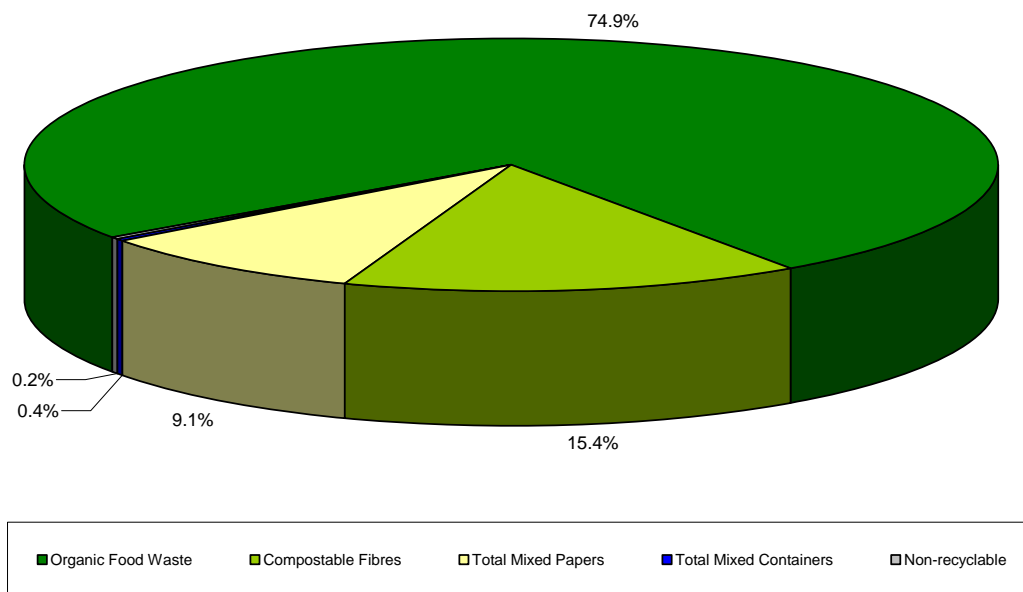
Functional Area	24-h Sample Quantity kg	Percentage %
Food Service - Kitchens	11.16	76.6%
Public Areas	2.94	20.2%
Washrooms	0.46	3.2%
Total	14.56	100.0%

Therefore, food services – kitchens generated the most organics on campus, accounting for approximately 77% of the organic stream sample.

### 3.8 Organic Material Composition

The total weight of organics collected and sorted for the audit was 14.56 kg. Figure 7 summarizes the overall composition of the audited sample. The organic sample had a contamination rate of 9.8% (down from 15.7% in 2023). Materials contributing to the contamination mainly included mixed papers and trace amounts of mixed containers and non-recyclable items.

**Figure 7: Organic Material Composition Summary**



Summary tables for each building per waste generation functional area, including waste composition, weights and percentages, are included in Appendix B.

## 4 Diversion Programs & Waste Systems

### 4.1 Waste Diversion Programs

Recycling programs have been initiated at Brock U to recycle/reuse/compost a wide range of materials as described below.

Cardboard: Cardboard recycling is provided across campus. Cardboard boxes are flattened and placed in large receptacles or smaller totes. Cardboard is brought by Brock U staff to their on-site baler. Cardboard bales are serviced by Cascades. Some front-end service is also provided by Modern.

Mixed Recycling: Mixed recycling includes mixed containers and mixed papers. Mixed containers include assorted plastics food and beverage containers (PET, HDPE, LDPE, PP, and PS), aluminum and metal cans, glass food and beverage containers, and aseptic containers (gable top containers, tetra paks, etc). Mixed papers include a range of items such items as (but not limited to) newspapers, fine papers, envelopes, magazines, brochures, boxboard, packing paper, shipping/receiving supplies, paper bags and other clean food paper products. Mixed recycling is collected throughout campus in dedicated recycle depots, primarily concentrated in high waste generating areas. Collected materials are disposed into front-end bins or 95 gallon totes by Brock U staff. Bins are serviced by Modern.

Confidential Papers: Confidential papers are collected mainly in office/administrative areas in secure consoles or totes. Consoles were serviced by private contractor on a weekly basis. All shredded materials were recycled.

Scrap Metals: Recyclable ferrous metals are collected at the CUB by Brock U staff. Larger pieces of metal recovered through the repair and recovery of broken and old equipment are deposited in a lugger box. Scrap metal recycling service is provided by RAM Metal Recycling.

Organics: Organic based food waste is collected at various locations for composting. Organic waste is mainly generated from the preparation of food. Scrap materials are placed in 32 gallon or 64 gallon totes provided by Davidson Environmental. Organic waste from various food vendors is also placed in receptacles at the back of the Tower complex. Davidson Environmental services the organic bins up to six days per week. An organics pulping unit is installed in the newly renovated market cafeteria in the Tower Complex.

Coffee Cups: Coffee cups are collected on campus in specified recycle containers. Brock U added new dedicated coffee cup recycle bins in 2016, bringing the total on campus to eight. Bagged coffee cups are collected by Davidson Environmental on a weekly basis. The coffee cups are to be shredded and blended into the composting organic materials, acting as a bulking agent.

Oil & Grease: Oils & greases are collected from food service areas across campus, and stored in dedicated containers. Service is provided by Rothsay and/or Davidson Environmental as required.

Bulbs & Ballasts: Fluorescent bulbs and ballasts are collected across campus and stored in dedicated totes. Service is provided by Aevitas as required.

Electronics/Ewastes: Electronic wastes are collected across campus and stored in dedicated locations. Service was provided by Greentec as required.

Batteries: Batteries are collected in small dedicated containers across campus. Collected batteries are stored in dedicated totes. Service is provided by Raw Materials Company Inc as required.

Yard Wastes: Yard wastes are collected across campus during the various seasons of the year. Approximately six (6) 40-yd roll-off bins of loosely packed yard wastes are recycled/composted per year. Additional yard wastes were managed by Modern.

Wood Pallets: Wood pallets/skids are returned to suppliers or removed for reuse. Based on discussions with Brock U, pallets are removed on a weekly basis.

Printer Toner Cartridges: Printer toner cartridges are collected from various areas across campus and sent to private contractor and/or suppliers to be processed.

Used Furniture: Brock U collected and stored used furniture for on-campus reuse or for donations to local charities.

Amber Bottles: Labs on campus have implemented an in-house reuse program. The quantity of amber bottles collected for reuse was unknown.

Scrap Woods: A scrap wood program was implemented on-site in 2013 at the CUB. Due to the infrequent use of the bin, the service was cancelled in 2014.

LCBO/Beer Store Returns: Brock U returns glass beer, wine and spirit bottles via the LCBO/Beer Store return program.

Water Bottle Filling Stations: Brock U added new water bottle refilling stations on campus. These stations help the university reduce the amount of plastic water bottles used on campus.

Textbook Collection: BrockU collects textbooks as required, all of which are donated, repurposed and/or recycled.

Table 8 summarizes the annual amount of waste diverted from landfills due to waste diversion programs implemented at Brock U.

**Table 8: Waste Audit - Annualized Waste Diversion Summary**

Waste Material	Reused or Recycled	Total Diversion Metric Tonnes
Cardboard	Recycled	58.14
Mixed Recycling	Recycled	364.74
Confidential Papers	Recycled	9.90
Scrap Metals	Recycled	34.89
Organics	Composted	287.56
Oil & Grease	Composted	0.91
Bulbs & Ballasts	Recycled	1.97
Ewastes	Recycled	13.11
Batteries	Recycled	2.20
Yard Wastes	Composted	54.61
Printer Toners	Reused	0.27
Used Furniture/Equipment	Reused	1.09
LCBO/Beer Bottle Returns	Reused	0.49
Construction	Recycled	44.42
Text Books - Donated/Recycled	Reused/Recycled	4.37
Clothing Donations	Reused	0.20
Water Bottle Filling Stations	Reduced	17.26
<b>Total Waste Material Diverted</b>		<b>896.12</b>

Therefore, the total amount of waste material diverted from landfill in 2024 was estimated to be approximately 896 metric tonnes. Evidence of annual quantity data obtained from Brock U and/or service providers is provided in Appendix A. Waste diversion programs implemented at Brock U exceed the requirements of O.Reg.103/94 for educational institutions.

## 4.2 Waste Disposal Systems

Regular solid non-hazardous waste is collected across campus by Brock U staff and placed in either front-end bins or compactors located in designated waste handling areas. A summary of front-end bins and compactors is provided in Appendix A. Modern Corporation is responsible for the collection of waste weekly depending on the waste generating area. The total quantity of solid non-hazardous waste disposed to landfill in 2024 was estimated to be approximately 614.29 metric tonnes.

Please note that the Modern garbage summary attached in Appendix A uses an assumed waste density of 60 kg/yd<sup>3</sup>. This value was replaced with Brock U's site specific density of 26.53 kg/yd<sup>3</sup> that was determined in 2014.

In 2014, Brock U conducted two density tests with Modern to better estimate the density of garbage generated on-site. The tests were conducted in April and the summer of 2014. These were done by conducting a garbage collection run at the university, noting what bins were picked up, and knowing the initial and final weight of the collection truck. The densities were combined with 2013 density study results for an average of 26.53 kg/yd<sup>3</sup>. Since not all garbage bins are 100% full for each collection run, the calculated average density of 26.53 kg/yd<sup>3</sup> includes a utilization factor to adjust for bins not completely full. The densities found from the various density studies are

consistent with other institutions that have implemented recycling programs similar to Brock U and achieve a high waste diversion rate. It is recommended that Brock U conduct a follow-up waste density test to confirm the campus garbage density determined in 2014.

In addition to front-end service, Brock U has three (3) compactors located on campus. These include one (1) 35-yd<sup>3</sup> unit at Schmon Tower, one (1) 8-yd<sup>3</sup> unit at Central Receiving and one (1) 8-yd<sup>3</sup> unit at Central Plaza.

## 5 Performance Metrics

### 5.1 Waste Diversion Rate

Waste Diversion Rate is the percentage of waste materials that a facility diverts from landfill due to reduce, reuse and recycling (i.e. 3Rs) programs versus the total amount of waste generated (i.e. 3Rs plus disposed). According to the MECP, Waste Diversion Rate is calculated as follows:

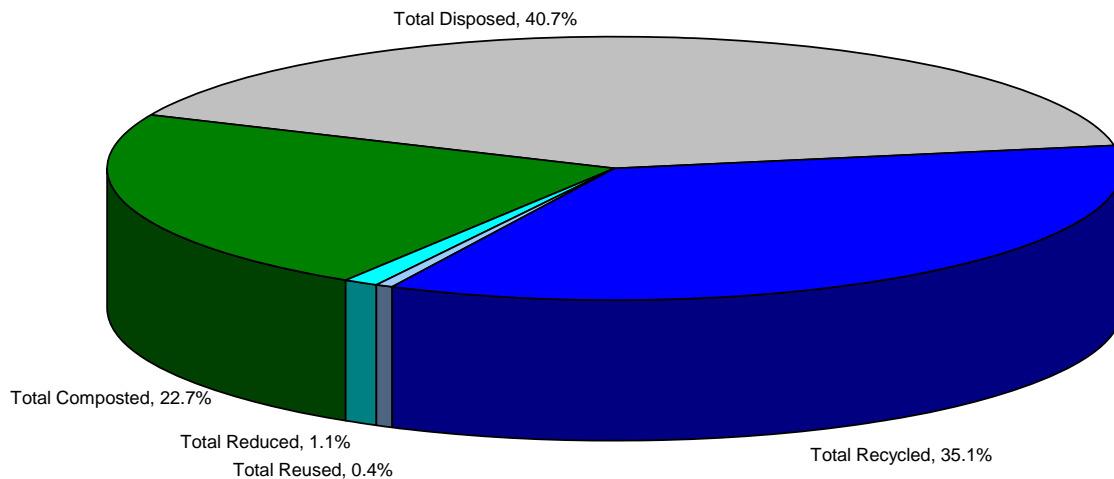
$$\text{Waste Diversion Rate} = \frac{\text{Total Waste Diverted (3Rs)}}{\text{Total Waste Generated}} * 100\%$$

Based on the total annual amount of waste generated and materials diverted, the 2024 waste diversion rate at Brock U was determined to be approximately 59.3%. Table 9 and Figure 8 summarize the quantities of wastes diverted (via 3Rs programs) and disposed. Ontario’s Waste Free Waste Strategy indicates interim goals of 50% diversion rate by 2030 and 80% by 2050.

**Table 9: Annual Quantities of Materials Diverted and Disposed**

Material	Total Annual Amount (MT)
Disposed to Landfill	614.29
Materials Reduced	17.26
Materials Reused	6.22
Materials Recycled	530.48
Materials Composted	342.17
Total Waste Generated	1510.41
<b>WASTE DIVERSION RATE</b>	<b>59.3%</b>

**Figure 8: Waste Audit Summary**



## 5.2 Capture Rate

Capture rate is the proportion of divertible waste materials which are successfully diverted from disposal compared to the total amount of the divertible waste materials generated. According to the MECP, Capture Rate is calculated as follows:

$$\text{Capture Rate} = \frac{\text{Total Divertible Material Captured (3Rs)}}{\text{Total Divertible Material Generated}} * 100\%$$

Thus, capture rate assists in determining the effectiveness of recycling programs. Table 10 summarizes the capture rate for the main divertible materials at Brock U.

**Table 10: Capture Rate Summary**

Divertible Material	Annual Material Generated Metric Tonnes	Annual 3Rs Quantity Captured Metric Tonnes	Capture Rate Percent
Cardboard	62.88	58.14	92.5%
Mixed Containers	171.81	102.49	59.7%
Mixed Papers	351.73	262.25	74.6%
Confidential Papers	9.90	9.90	100.0%
Scrap Metals	37.52	34.89	93.0%
Organics	377.68	287.56	76.1%
Oil & Grease	0.91	0.91	100.0%
Bulbs & Ballasts	1.97	1.97	100.0%
Electronic wastes	14.94	13.11	87.7%
Batteries	2.92	2.20	75.4%
Yard Wastes	54.61	54.61	100.0%
Construction	44.42	44.42	100.0%
Printer Toners	0.27	0.27	100.0%
Used Furniture/Equipment	1.09	1.09	100.0%
LCBO/Beer Bottle Returns	0.49	0.49	100.0%
Textbook Donations	4.37	4.37	100.0%
Clothing Donations	0.20	0.20	100.0%
Water Bottle Filling Stations	17.26	17.26	100.0%
Overall Facility	1154.96	896.12	77.6%

Capture rates of all materials are high ranging from approximately 60% to 100%. The overall capture rate of all recyclables on campus is considered to be fairly high at 77.6%.

### 5.3 Year over Year Change in Waste Generation

Waste diversion rate and capture rate do not always demonstrate how effective a site's 3R programs are operating. This is due to the continual change of many important factors involved in waste and recyclable material generation on campus, such as number of students enrolled, floor area of buildings, etc. As student numbers change or more buildings are added to the campus, quantities of waste and recyclables change making it difficult to have a direct comparison of data between years. In 2012, Brock U start tracking 'Year over Year' changes in the amount of wastes disposed and/or materials recycled per standard unit. This allows direct comparison of data from year to year, thus assisting the university in gaining an understanding of the effectiveness of their 3Rs programs. For Brock U, the most applicable standard unit is Full-time equivalent students, or FTE.

#### 5.3.1 Year-over-Year Change in 3Rs Quantities

The 'Year-over-Year Change in 3Rs Quantities' is the indicator of the amount of materials diverted from disposal through reduce, reuse and/or recycle activities per FTE compared to previous data. Table 11 summarizes the results for the 2024 year compared previous years. A positive year-over-year change indicates 3Rs programs are improving over time.

**Table 11: Yr-over-Yr Change in 3Rs Quantities**

Period	Total 3Rs (MT)	FTE	Annual 3Rs Quantity (kg/FTE)	Yr-over-Yr Change in 3Rs Quantity (kg)
2011	1267.8	15905.1	79.7	--
2012	1316.7	16386.9	80.4	+0.7
2013	1266.3	16714.8	75.8	-4.6
2014	1237.1	17139.4	72.2	-3.6
2015	1392.4	17217	80.9	+8.7
2016	1383.1	16957	81.9	+1.0
2017	1372.1	17215.8	79.7	-2.2
2018	1459.7	17419.5	83.8	+4.1
2019	1688.9	17419.5	97.0	+13.2
2020	614.05	17801	34.5	-62.5
2021	750.84	17801	42.2	+7.7
2022	877.62	19131	45.9	+3.7
2023	857.58	18639 <sup>(1)</sup>	46.0	+0.1
2024	896.12	18639 <sup>(1)</sup>	48.1	+2.1

Note 1: FTE = 18639 for 2022/23 Period.

Caution should be used when interpreting 2020, 2021 and 2022 data due to the unique challenges caused by the COVID-19 pandemic response.

### 5.3.2 Year-over-Year Change in Garbage Disposed

The 'Year over Year Change in Garbage Disposed' is the indicator of the amount of reduction in waste materials disposed to landfill due to reduction, reuse and recycling activities on campus. Table 12 summarizes the results for the 2024 year compared to previous years. A reduction in the year over year value will indicate the university is continually reducing wastes disposed to landfill.

**Table 12: Yr-over-Yr Change in Garbage Disposed**

Period	Total Materials Disposed to Landfill (MT)	FTE	Annual Disposed Quantity (kg/FTE)	Yr-over-Yr Change in Disposed Quantity (kg)
2011	470.0	15905.1	29.6	--
2012	868.2	16386.9	52.9	+23.3
2013	673.7	16714.8	40.3	-12.6
2014	643.5	17139.4	37.5	-2.8
2015	640.3	17217	37.2	-0.3
2016	674.9	16957	39.8	+2.6
2017	538.5	17215.8	31.3	-8.5
2018	530.7	17419.5	30.5	-0.8
2019	739.8	17419.5	42.5	+12.0
2020	208.45	17801	11.7	-30.8
2021	147.47	17801	8.3	-3.4
2022	432.41	19131	22.6	+14.3
2023	532.27	18639 <sup>(1)</sup>	28.6	+6.0
2024	614.29	18639 <sup>(1)</sup>	33.0	+4.4

Note 1: FTE = 18639 for 2022/23 Period.

Caution should be used when interpreting 2020, 2021 and 2022 data due to the unique challenges caused by the COVID-19 pandemic response.

## 6 Changes at Brock U in 2024

In 2024, Brock U continued to improve all existing waste diversion programs implemented on-site. Brock U adjusted the data used to calculate total garbage generation on-campus to prioritize the completeness, accuracy and transparency of the waste diversion quantification.

## 7 Waste Audit Summary & Waste Reduction Work Plan

Refer to Appendix C and Appendix D for the Waste Audit Summary and the Waste Reduction Work Plan respectively. The last page of each set of forms in the appendices need to be signed by an authorized person at the University. According to O.Reg. 102/94, the Waste Reduction Work Plan (Appendix D) or a summary of the plan must be posted at the University in a place where staff/students can review it. If a summary is posted, the entire Work Plan should also be made available for review by any staff/student upon request.

## 8 Conclusions & Recommendations

Based on the results of the solid non-hazardous waste audit conducted for Brock U, the following conclusions can be made. Recommendations presented below are intended to assist Brock U in maximizing their waste diversion potential.

- In 2024, Brock U disposed of approximately 614.29 tonnes of solid waste in landfills. Approximately 896.12 tonnes of waste materials were diverted through existing reduce, reuse and recycling activities. This represents a waste diversion rate of approximately 59%. Ontario's

Waste Free Waste Strategy indicates interim goals of 50% diversion rate by 2030 and 80% by 2050.

- Brock U maintains diversion programs for cardboard, mixed recycling, confidential papers, scrap metals, organics, coffee cups, oil and grease, bulbs and ballasts, electronic wastes, batteries, yard wastes, wood pallets, printer toners, used furniture/equipment donations, amber bottles (labs), LCBO/Beer Store returns, clothing donations, textbook reuse/recycling and reductions due to water bottle refilling installations.
- Waste diversion programs implemented at Brock U exceed the source separation requirements of O.Reg.103/94 for educational institutions.
- In total, 1303.93 kg of waste materials were collected and sorted for the waste audit. The sample consisted of 85.0% garbage, 13.9% recycling and 1.1% organics.
- Based on the results of the 2024 waste audit, Schmon Tower, Village Residence, DeCew Residence, Thistle, Outdoor bins, Cairns, Walker Complex, Plaza - Bookstore and South Block were the most significant generators of garbage on campus, accounting for approximately 74% of the garbage stream sample.
- Based on the results of the 2024 waste audit, public areas, residences, food services – dining and washrooms generated the most garbage on campus, accounting for approximately 72% of the garbage stream.
- Brock U has a ‘mandatory’ recyclable content of 4.0% in the combined garbage of the university (down from 6.5% in 2023). The main ‘mandatory’ recyclable materials were fine papers and aluminum containers. ‘Other Recyclables’ represented 70.4% of the sample (down from 75.8% in 2023) and consisted mainly of compostable materials (compostable fibres and organics). Non-recyclables represented approximately 25.7% of the sample (up from 17.7% in 2023).
- Capture rates of all materials are high ranging from approximately 60% to 100%. The overall capture rate of all recyclables on campus is considered to be fairly high at 77.6%.
- Based on the waste audit results, it was estimated that approximately 20.7% of solid waste disposed to landfill consisted of compostable fibres, or approximately 127 MT annually. Paper towels content was especially high in garbage streams from washroom, dining and residence areas. Brock U may want to focus on washroom wastes in order to capture the paper towels disposed to the garbage. Often paper towels can be mixed with cardboard or organic programs depending on vendor specifications.
- Based on the waste audit results, it was estimated that approximately 16.8% of solid waste disposed to landfill consisted of organic materials, representing 103 MT annually. This is down from 23.9% in 2023. Organic content was especially high in residence, dining and outdoor areas. An organics program is implemented on campus. It is recommended that Brock U focus attention on organics diversion in this area in order to capture and divert more organic materials from landfill.
- Based on the waste audit results, it was estimated that approximately 15.8% (down from 16.3% in 2023) and 10.8% (down from 16.9% in 2023) of solid waste disposed to landfill consisted of mixed papers and mixed containers respectively (or approximately 97 MT and 66 MT annually).

Brock U has implemented a mixed recycling program for mixed papers and mixed containers. Results suggest that better collection systems, improved labels, program promotion and/or student/employee/cleaner education may be required to capture more of these materials

- Based on the 24-hr recycling sample collected for the waste audit, food services – kitchens, outdoor bins and public areas generated the most recyclables on campus, accounting for approximately 98% of the recycle stream. Approximately 67% of the recycle sample consisted of mixed containers (42.8%), mixed papers (22.8%) and cardboard (1.7%). The recycle stream sample had a contamination rate of approximately 32.8%. The main materials contributing to the contamination included organics, coffee cups, compostable fibres, non-recyclable items and electronic wastes.
- Based on the 24-hr organic sample collected for the waste audit, food services – kitchens generated the most organics on campus, accounting for approximately 77% of the organic stream sample. Approximately 90.3% of the organic sample consisted of compostable materials. The organic stream sample had a contamination rate of approximately 9.8%, comprised mainly of mixed papers and trace amounts of mixed containers and non-recyclable items.
- It is recommended that Brock U continue to conduct studies to verify the density of wastes disposed to landfill. This includes verification of the weight of the Central Shipping compactor loads.
- It is recommended that a study be conducted to verify mixed container and mixed paper tote weights as well as to conduct an inventory of bins on-campus. It is recommended that the total number of totes picked-up per week be verified.
- It is recommended that a study be conducted to verify organic tote weights as well to conduct an inventory of bins on-campus. It is recommended that the total number of totes picked-up per week be verified.
- It is recommended that Brock U conduct studies to add and improve reduction and reuse weights to improve the university's diversion rate. For example, reduction credits can include reduced coffee cup weight disposed to landfill due to the implementation of a reusable coffee mug program on campus or reduced paper weight due to double-sided photocopiers operating on campus.
- Continue to use dedicated receptacles as part of a collection program. They should be made available at each location to assist students and staff in disposing of the waste materials accordingly at source.
  - Receptacles should include color coordination to identify the type of waste (i.e., green for organics/compost, blue for recycling, and black for garbage).
  - Receptacles should be sized accordingly based on the type of activity or use.
  - An example of dedicated, color-coded receptacles is provided below:



- Continue to provide clear signage with pictures/graphics to assist students and staff in identifying opportunities for proper disposal at the source. This can also assist students and staff to identify their specific waste materials. This will help improve material capture rates. Examples of signage include the following:



- Promote a culture of waste diversion through education on the importance of waste diversion and communicate the corporate goals for waste diversion and sustainability. Create a positive message around the benefits of waste diversion, and the role that the individual plays. Set achievable goals and metrics, track year-over-year changes in waste diversion, capture rates and communicate progress to staff to encourage further participation/engagement.
- It is important that all staff and students at Brock U be made aware of all available recycling programs. Brock U staff should provide easy access to contact information for questions and/or help regarding the various recycling programs. The recycling programs should have as much consistency as possible across campus.
- Continuous monitoring and reporting for this site annually and comparison with year-over-year changes would provide insight into trends, which can then be used as a basis for policy decisions

regarding solid waste management for future projects. Further refinements to programs and processes can be made and adherence to provincial requirements can be achieved.

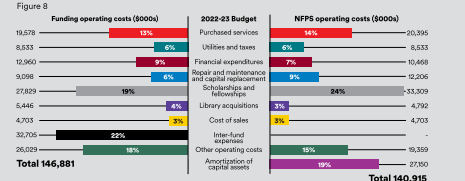
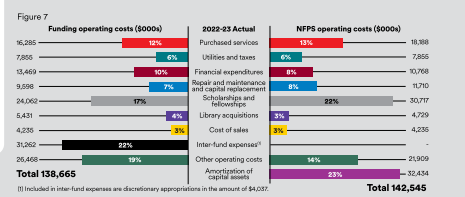
- Support and encourage the purchase and use of “environmentally friendly”, reusable or recyclable materials and packaging, and/or those that contain recycled content.
- In order to be successful, the waste diversion program must have the full support of Brock U’s management team.
- According to O.Reg. 102/94, the Waste Reduction Work Plan (Appendix D) or a summary of the plan must be posted at the facility in a place where it can be viewed. If a summary of the work plan is posted, the full Work Plan must be made available for review upon request by any of the university’s staff or students.
- The waste audit report and waste reduction work plan must be retained on file for a minimum of five years.
- A waste audit report and waste reduction work plan must be conducted and updated annually.

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**Appendix A**

**Supporting Documentation**

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**Figure 9: Personnel costs by group**

Personnel group <sup>1)</sup> (\$000s)	2022-23 Actual Salary/wage	2022-23 Actual Benefits	2022-23 Actual Total	2022-23 Budget Salary/wage	2022-23 Budget Benefits	2022-23 Budget Total
Faculty and Professional Librarians	92,939	16,881	109,820	115,810	16,781	132,591
Administrative/Professional	48,064	12,480	60,544	59,565	14,083	73,648
OS/IT	6,824	2,324	9,148	7,858	2,473	10,331
CUPE 1955 FT	7,778	2,375	10,153	7,754	2,414	10,168
SAC	7,218	1,484	8,702	6,695	1,438	8,133
Other ongoing personnel	840	233	1,073	779	218	997
<b>Total ongoing personnel</b>	<b>163,747</b>	<b>27,215</b>	<b>190,962</b>	<b>171,420</b>	<b>40,201</b>	<b>211,621</b>
CUPE 4207/4201/4201-1	16,360	5,777	22,137	16,200	5,755	21,955
Other temporary personnel	16,538	1,863	18,401	16,827	1,981	18,808
<b>Total temporary personnel</b>	<b>30,388</b>	<b>3,040</b>	<b>33,428</b>	<b>29,827</b>	<b>2,814</b>	<b>32,641</b>
<b>Total - Funding basis</b>	<b>194,135</b>	<b>40,255</b>	<b>234,390</b>	<b>201,247</b>	<b>43,015</b>	<b>244,262</b>
<b>Adjustments to NFPS (See page 61 for discussion of adjustments)</b>		679	679		(1,707)	(1,707)
Employee future benefits adjustment <sup>2)</sup>	6,757	104	6,861	480	576	1,056
Internal matched funds and research personnel control <sup>3)</sup>	200,872	43,240	244,112	204,477	43,753	248,230

**Footnotes:**  
 1) Faculty and Professional Librarians - BFA members, Associate Deans, Associate Vice Presidents of Research and Academic Librarian, Librarian/Assistant Librarian, Senior Administrative Council, Senior Administrative Council, Other ongoing - CUPE 4207/2, CUPE 4207/3, & FTSE, CUPE 4207 - Unit 1 - librarians, teaching assistants, lab demonstrators, course coordinators and teaching graders. Other temporary - all other part-time teaching and non-teaching positions. Faculty transfers and related transfers.  
 2) The employee future benefits adjustment for actual 2022-23 of \$679,000 is the difference between payments made for employee future benefits and the net change in the obligation. The employee future benefits adjustment for budget 2022-23 actually adds two adjustments - \$344,000 and \$344,000. Refer to adjustment 10 and 11 on page 61 of the 2022-23 Budget Report for detailed descriptions of these adjustments.  
 3) The personnel costs in the following table cover fees, capital and infrastructure projects and reserves, operating project accounts, research funds with no external obligations, start-up funds, professional expense reimbursement requests, the external research fund and non-employment trust accounts.

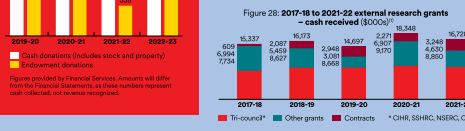
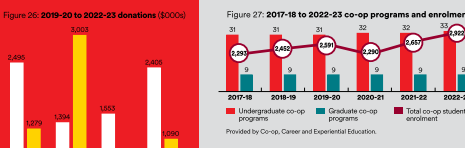
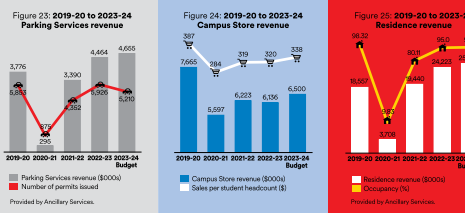
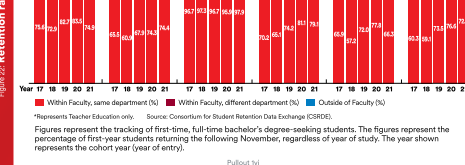
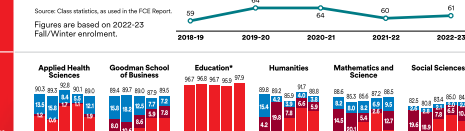
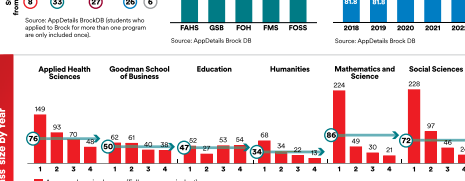
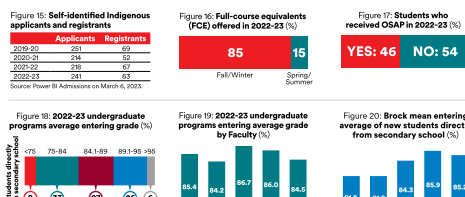
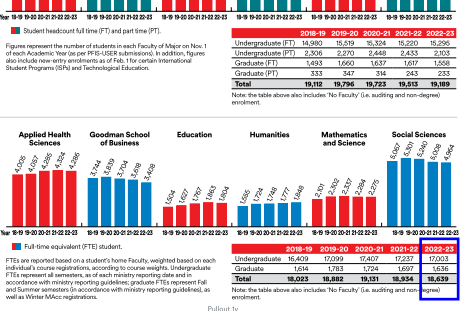
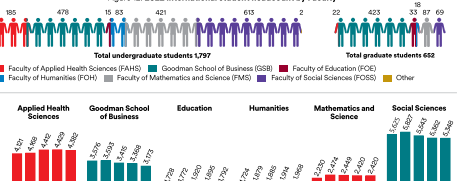
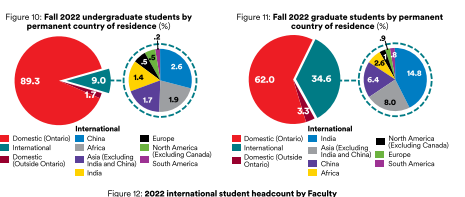


Figure 10: Student headcount by Faculty of major

Figure 12: Student full-time equivalent by Faculty of major

Figure 18: Undergraduate average class size by year

Figure 19: Retention rates

Figure 26: 2019-20 to 2022-23 donations (\$000)

Figure 27: 2017-18 to 2021-22 external research grants - cash received (\$000)

Figure 28: 2017-18 to 2021-22 external research grants by Faculty - cash received (\$000)



# Annual Data



Dedicated to the Community. Committed to the Environment.

**BROCK UNIVERSITY 2024 WASTE AND RECYCLING REPORT**

\* Metric tonnes based on industry average

**CUSTOMER # 015483**

**HARRISON HALL & POLICE BUILDING 0004**

MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
2 YARD WASTE	# of Pickups	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00
	MT	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.08

**EARP RESIDENCE 0007**

MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
8CY WASTE	# of Pickups	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	144.00
	MT	4.32	4.32	4.32	4.32	4.20	3.89	2.56	3.65	4.55	4.32	4.33	4.48	49.26
8CY MIXED RECYCLING	# of Pickups	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	96.00
	MT	2.88	2.54	1.96	2.38	1.88	0.56	0.62	0.98	2.10	2.62	2.44	2.56	23.52

**QUARRY VIEW RESIDENCE (SOUTH) 0011**

MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
4CY WASTE	# of Pickups	22.00	24.00	27.00	24.00	21.00	20.00	16.00	18.00	24.00	26.00	26.00	26.00	274.00
	MT	6.22	6.86	7.84	7.00	6.21	4.11	4.88	4.23	6.55	6.89	7.13	7.46	75.38
6CY MIXED RECYCLING	# of Pickups	8.00	8.00	8.00	10.00	8.00	8.00	8.00	8.00	8.00	8.00	11.00	8.00	101.00
	MT	3.21	3.09	2.88	3.06	1.85	1.42	1.66	1.51	3.16	3.42	3.15	3.18	31.59

**QUARRY VIEW RESIDENCE (NORTH) 0012**

MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
4CY WASTE	# of Pickups	9.00	8.00	9.00	14.00	4.00	4.00	5.00	5.00	4.00	5.00	4.00	5.00	76.00
	MT	2.35	2.46	3.33	4.20	1.22	1.11	1.62	1.63	2.91	3.48	2.24	3.06	29.61

**LOWENBERG RESIDENCE 0015**

MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
6CY WASTE	# of Pickups	25.00	26.00	28.00	20.00	11.00	9.00	10.00	12.00	20.00	25.00	28.00	26.00	240.00
	MT	8.55	9.02	8.88	7.89	4.67	4.24	4.80	4.63	7.98	9.54	9.24	9.88	89.32
8CY MIXED RECYCLING	# of Pickups	9.00	8.00	9.00	10.00	11.00	4.00	4.00	6.00	7.00	9.00	9.00	6.00	92.00
	MT	3.21	2.89	2.97	3.20	3.43	1.02	0.94	1.25	2.26	2.48	3.61	3.76	31.02

**VILLAGE RESIDENCE 0016**

MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
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6CY WASTE	# of Pickups	60.00	55.00	50.00	55.00	0.00	15.00	15.00	2.00	35.00	50.00	50.00	45.00	432.00
	MT	16.23	17.58	16.89	20.56	0.00	2.26	2.11	2.75	9.68	13.55	15.76	15.24	132.61
6CY - MIXED RECYCLING	# of Pickups	50.00	40.00	45.00	35.00	0.00	0.00	8.00	7.00	45.00	45.00	45.00	30.00	350.00
	MT	13.80	12.44	13.10	12.25	0.00	0.00	2.16	2.22	11.89	12.14	12.63	12.22	104.85

WALKER WEST - PHYS ED 0017														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
8CY WASTE	# of Pickups	25.00	27.00	25.00	24.00	25.00	10.00	9.00	9.00	12.00	16.00	13.00	13.00	208.00
	MT	13.90	14.55	14.20	13.88	12.62	6.11	4.89	4.65	5.38	5.96	4.88	7.65	108.67
8CY MIXED RECYCLING	# of Pickups	4.00	4.00	5.00	4.00	4.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	51.00
	MT	1.44	1.50	1.52	1.32	2.08	1.77	1.01	1.33	1.71	2.15	1.95	1.64	19.42

CENTRAL UTILITIES 0018														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
6CY WASTE	# of Pickups	5.00	4.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	3.00	51.00
	MT	2.08	1.94	1.76	1.52	1.88	1.55	1.29	1.77	1.91	1.40	1.82	1.30	20.22
96 GAL RECYCLING TOTE	# of Pickups	6.00	11.00	9.00	6.00	9.00	2.00	11.00	7.00	13.00	9.00	6.00	5.00	94.00
	MT	0.45	0.88	0.62	0.37	0.58	0.12	0.70	0.43	0.83	0.59	0.37	0.33	6.27

CENTRAL RECEIVING 0019														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
8CY WASTE COMPACTOR	# of Pickups	4.00	4.00	5.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	5.00	4.00	50.00
	MT	7.65	8.82	11.52	10.09	10.88	9.98	9.15	12.20	11.08	11.23	12.13	9.92	124.65
96 GAL TOTES	# of Pickups	26.00	30.00	24.00	26.00	22.00	38.00	25.00	32.00	31.00	26.00	25.00	29.00	334.00
	MT	1.20	1.33	1.42	1.52	1.21	1.63	1.45	1.72	1.88	1.11	1.63	1.52	17.62
6CY MIXED RECYCLING	# of Pickups	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	3.00	8.00
	MT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	1.72	3.61

SCHMON TOWER 0020														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
35CY WASTE COMPACTOR	# of Pickups	2.00	2.00	2.00	1.00	1.00	1.00	1.00	0.00	1.00	2.00	1.00	2.00	16.00
	MT	12.54	11.82	12.63	12.06	8.42	7.65	8.53	0.00	8.12	11.88	7.88	11.80	113.33
96 GAL RECYCLING TOTE	# of Pickups	40.00	45.00	52.00	67.00	35.00	50.00	46.00	61.00	50.00	53.00	58.00	63.00	620.00
	MT	3.10	3.33	3.89	4.23	2.20	3.17	2.90	3.88	3.23	3.31	3.45	4.21	40.90

DAY CARE 0022														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
2CY WASTE	# of Pickups	2.00	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	3.00	2.00	1.00	25.00
	MT	0.27	0.29	0.31	0.28	0.23	0.30	0.30	0.33	0.26	0.24	0.29	0.22	3.32
96 GAL RECYCLING TOTE	# of Pickups	6.00	5.00	6.00	7.00	10.00	7.00	10.00	8.00	9.00	10.00	7.00	5.00	90.00
	MT	0.43	0.60	0.55	0.43	0.70	0.47	0.66	0.54	0.53	0.69	0.44	0.38	6.42

DECEW CAFÉ 0023														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
6CY WASTE	# of Pickups	27.00	25.00	25.00	22.00	0.00	1.00	0.00	3.00	22.00	27.00	27.00	19.00	198.00
	MT	14.98	13.87	13.89	12.84	0.00	0.55	0.00	1.88	13.21	15.23	15.36	13.87	115.68
6 CY MIXED RECYCLING	# of Pickups	9.00	8.00	9.00	7.00	0.00	1.00	0.00	2.00	8.00	8.00	9.00	5.00	66.00
	MT	3.56	2.54	2.22	2.64	0.00	0.41	0.00	1.26	2.59	3.41	3.33	3.45	25.41

NORTH RESIDENCE 0024														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
8CY WASTE	# of Pickups	13.00	12.00	14.00	18.00	9.00	8.00	9.00	8.00	12.00	14.00	13.00	10.00	140.00
	MT	4.34	4.24	4.33	4.65	4.00	4.44	4.10	3.65	4.55	4.32	4.33	4.48	51.43
8 CY MIXED RECYCLING	# of Pickups	9.00	8.00	9.00	8.00	5.00	4.00	4.00	4.00	8.00	9.00	9.00	6.00	83.00
	MT	3.24	2.88	3.10	2.75	1.88	1.44	1.52	1.33	2.64	2.77	3.10	2.88	29.53

WELCH HALL 0025														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
8CY WASTE	# of Pickups	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	3.00	51.00
	MT	2.22	2.86	2.04	1.87	1.98	1.84	1.79	2.02	1.65	1.72	2.07	1.83	23.89

TARO STUDENT CENTRE 0026														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
96 GAL RECYCLING TOTE	# of Pickups	8.00	9.00	8.00	7.00	8.00	7.00	6.00	4.00	5.00	7.00	8.00	7.00	84.00
	MT	0.52	0.60	0.58	0.47	0.62	0.52	0.66	0.57	0.51	0.65	0.57	0.38	6.65

PLAZA BOOK STORE 0032														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
8CY WASTE COMPACTOR	# of Pickups	4.00	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	3.00	50.00
	MT	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	47.52

BROCK RESEARCH AND INNOVATION CTR 0033														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
2CY WASTE	# of Pickups	2.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00	9.00
	MT	0.31	0.29	0.33	0.28	0.23	0.30	0.30	0.35	0.29	0.27	0.29	0.22	3.46

BARN STORAGE AREA 0036														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
20CY BRUSH	# of Pickups	2.00	2.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	7.00
	MT	7.88	8.67	3.58	0.00	0.00	0.00	4.52	0.00	4.96	0.00	0.00	0.00	29.61

BROCK PLAZA 0037														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
4CY WASTE	# of Pickups	4.00	5.00	4.00	4.00	4.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	25.00
	MT	2.37	2.50	3.37	4.11	3.55	0.86	0.00	0.96	0.77	0.00	0.00	0.85	19.34

MARILYN WALKER SCHOOL 0038														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
2CY WASTE	# of Pickups	9.00	9.00	8.00	10.00	11.00	8.00	9.00	9.00	8.00	10.00	8.00	7.00	106.00
	MT	2.86	2.56	2.44	3.42	3.66	4.32	3.78	3.88	2.20	2.89	1.89	1.78	35.68
96 GAL RECYCLING TOTE	# of Pickups	2.00	3.00	5.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	3.00	48.00
	MT	0.22	0.15	0.25	0.33	0.42	0.30	0.31	0.50	0.51	0.65	0.32	0.38	4.34

INTERNATIONAL BUILDING 0041														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
4CY WASTE	# of Pickups	5.00	4.00	4.00	4.00	2.00	5.00	5.00	4.00	4.00	5.00	4.00	3.00	49.00
	MT	2.37	2.50	3.37	4.11	2.32	2.44	2.56	4.01	3.98	4.22	3.89	2.88	38.65
4CY MIXED RECYCLING	# of Pickups	4.00	4.00	5.00	4.00	4.00	0.00	1.00	0.00	1.00	0.00	1.00	1.00	25.00
	MT	1.55	1.42	1.63	1.54	1.43	0.00	0.63	0.00	0.68	0.00	0.76	0.76	10.40
96 GAL RECYCLING TOTE	# of Pickups	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
	MT	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22

CAIRNS FAMILY HEALTH 0043														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
6CY WASTE	# of Pickups	8.00	9.00	7.00	8.00	6.00	2.00	7.00	9.00	7.00	9.00	9.00	6.00	87.00
	MT	4.02	4.68	3.55	4.22	3.66	1.24	3.78	4.45	3.50	4.66	4.89	3.21	45.86

BROCK SOUTH YARD 0054														
MONTH		January	February	March	April	May	June	July	August	September	October	November	December	Total
40CY CONSTRUCTION WASTE	# of Pickups	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	2.00	2.00	0.00	1.00	12.00
	MT	2.96	3.83	2.92	3.52	4.60	0.00	3.24	4.17	6.76	6.88	0.00	5.54	44.42

YEARLY TOTAL - 2024	WASTE		CONSTRUCTION WASTE		CARDBOARD		MIXED RECYCLING	
	# of Pickups	MT	# of Pickups	MT	# of Pickups	MT	# of Pickups	MT
HARRISON HALL & POLICE BUILDING	12.00	1.08					12.00	1.08
QUARRY VIEW RESIDENCE NORTH	76.00	29.61					0.00	0.00
LOWENBERG RESIDENCE	240.00	89.32					92.00	31.02
VILLAGE RESIDENCE	432.00	132.61					350.00	104.85
WALKER WEST - PHYS ED	208.00	108.67					51.00	19.42
CENTRAL UTILITIES	51.00	20.22					94.00	6.27
CENTRAL RECEIVING	50.00	124.65					8.00	3.61
SCHMON TOWER	16.00	113.33					620.00	40.90
DECEW CAFE	198.00	115.68					66.00	25.41
NORTH RESIDENCE	140.00	51.43						

WELCH HALL	51.00	23.89						
BARN STORAGE AREA	7.00	29.61					0.00	0.00
BROCK PLAZA	25.00	19.34					0.00	0.00
MARILYN WALKER SCHOOL	106.00	35.68					48.00	4.34
INTERNATIONAL BUILDING	49.00	38.65					25.00	10.40
CAIRNS FAMILY HEALTH	87.00	45.86					0.00	0.00
MARILYN WALKER SCHOOL OF PERFORMING ARTS	106.00	35.68						
BROCK SOUTH YARD 0054	0.00	0.00	12.00	44.42				
TARO STUDENT CENTRE 0026	0.00	0.00					84.00	6.65
<b>TOTAL OVERALL</b>	<b>1926.00</b>	<b>1194.25</b>	<b>12.00</b>	<b>44.42</b>	<b>0.00</b>	<b>0.00</b>	<b>1881.00</b>	<b>364.74</b>

Cardboard

Row Labels	Sum of MT
Jan 2024	7.14
Feb 2024	5.78
Mar 2024	6.46
Apr 2024	5.78
May 2024	2.04
Jun 2024	2.04
Jul 2024	2.38
Aug 2024	3.74
Sep 2024	3.74
Oct 2024	7.82
Nov 2024	7.14
Dec 2024	4.08
Grand Total	58.14

**Subject:** Re: Waste Audit Information  
**From:** Bernie Dwyer <bdwyer@brocku.ca>  
**Date:** 31/01/2025 10:33 AM  
**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**CC:** Jay Ismailovic <jismailovic@brocku.ca>

Hello Rebecca,

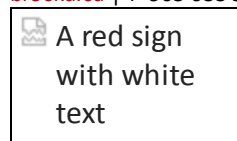
My apologies for the delay.

- April 2024 (after our move-out), we donated approximately 25 to 30 bags of linens, clothing, and dishware to Niagara's Mobile Closet through Start Me Up Niagara - <https://www.startmeupniagara.ca/site/mobile-closet>
- July 2024, we donated 6 refrigerators to Habitat for Humanity Niagra ReStore
- August 2024, we donated 3 refrigerators and 1 stove to Habitat for Humanity Niagra ReStore

Thank-you,

Bernie

**Bernie Dwyer** (he/him)  
Housing Facilities and Finance, Associate-Director  
Brock University | Housing Services  
Niagara Region | 1812 Sir Isaac Brock Way | St. Catharines, ON L2S 3A1  
[brocku.ca](http://brocku.ca) | T 905 688 5550 x3594 | F 905 688 0797 | [www.brocku.ca/housing](http://www.brocku.ca/housing)



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**From:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**Sent:** Tuesday, January 28, 2025 10:17 AM  
**To:** Bernie Dwyer <bdwyer@brocku.ca>  
**Cc:** Jay Ismailovic <jismailovic@brocku.ca>  
**Subject:** RE: Waste Audit Information

Hi Bernie,

Did you ever get a chance to review the requested info?

Thanks!

**Rebecca Anderson,**

Sustainability Coordinator,  
**Brock University** | Facilities Management  
1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | brocku.ca

---

**From:** Bernie Dwyer <bdwyer@brocku.ca>  
**Sent:** Thursday, January 23, 2025 8:45 AM  
**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**Cc:** Jay Ismailovic <jismailovic@brocku.ca>  
**Subject:** Re: Waste Audit Information

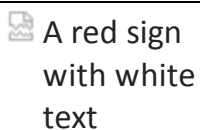
Hi Rebecca,

My apologies, for the delayed response. With the extreme cold weather, we had our hands full with heating concerns. I will review your email today with a response.

Thank-you for your understanding ,

Bernie

**Bernie Dwyer** (he/him)  
Housing Facilities and Finance, Associate-Director  
**Brock University** | Housing Services  
Niagara Region | 1812 Sir Isaac Brock Way | St. Catharines, ON L2S 3A1  
[brocku.ca](http://brocku.ca) | T 905 688 5550 x3594 | F 905 688 0797 | [www.brocku.ca/housing](http://www.brocku.ca/housing)

A red sign with white text

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**From:** Rebecca Kadia Anderson <[randerson3@brocku.ca](mailto:randerson3@brocku.ca)>  
**Sent:** Wednesday, January 22, 2025 3:50 PM  
**To:** Bernie Dwyer <[bdwyer@brocku.ca](mailto:bdwyer@brocku.ca)>  
**Cc:** Jay Ismailovic <[jismailovic@brocku.ca](mailto:jismailovic@brocku.ca)>  
**Subject:** RE: Waste Audit Information

Hi Bernie,

Just following up on this request. Could you please provide this information at your earliest convenience?

With much gratitude,  
**Rebecca Anderson**,  
Sustainability Coordinator,  
**Brock University** | Facilities Management  
1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | brocku.ca

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**From:** Rebecca Kadia Anderson  
**Sent:** Friday, January 17, 2025 8:40 AM

**To:** Bernie Dwyer <[bdwyer@brocku.ca](mailto:bdwyer@brocku.ca)>  
**Cc:** Jay Ismailovic <[jismailovic@brocku.ca](mailto:jismailovic@brocku.ca)>  
**Subject:** Waste Audit Information

Hi Bernie,

I hope you are doing well. I am collecting information for our annual waste audit report. Do you have any data on donated furniture, clothing, household goods or any other donated or recycled materials from Residence in 2024?

I've attached a past email thread as a sample for you with previous years' info.

Thank you in advance!

**Rebecca Anderson**,  
Sustainability Coordinator,  
**Brock University** | Facilities Management  
1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | [brocku.ca](http://brocku.ca)



**Battery Recycling Specialists**

**17 Invertose Drive  
Port Colborne, Ontario  
Canada L3K 5V5**

**Brock University  
c/o Kevin Lawr  
500 Glenridge Avenue  
St. Catharines, ON  
Canada L2S 3A1**

**Certification of Destruction and Recycling  
Jan-01-2024 - Dec-31-2024**

Please accept this certificate as proof of receipt, destruction, and recycling of the following material.

<b>Date</b>	<b>Item</b>	<b>Weight (Lbs.)</b>	<b>Weight (Kgs.)</b>
2024-04-05	COMPUTER COMPONENTS	325	147
2024-04-05	PLASTIC	16	7
2024-04-05	SCRAP METAL	14	6
2024-04-05	WIRE	11	5
		<hr/>	<hr/>
		366	166



**Battery Recycling Specialists**

**17 Invertose Drive  
Port Colborne, Ontario  
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**Brock University  
500 Glenridge Avenue  
St. Catharines, ON  
Canada L2S 3A1**

**Certification of Destruction and Recycling  
Jan-01-2024 - Dec-31-2024**

Please accept this certificate as proof of receipt, destruction, and recycling of the following material.

Date	Item	Weight (Lbs.)	Weight (Kgs.)
2024-02-23	ALKALINE CELLS	203	92
2024-02-23	BALLASTS	3	1
2024-02-23	BUTTON CELLS	3	1
2024-02-23	COMPUTER COMPONENTS	3	1
2024-02-23	LITHIUM CELLS	3	1
2024-02-23	LITHIUM ION CELLS	11	5
2024-02-23	NI-CAD - SEALED CELLS	12	5
2024-02-23	NICKEL METAL HYDRIDE CELLS	4	2
2024-02-23	SCRAP METAL	155	70
2024-02-23	SEALED LEAD ACID CELLS	2,086	946
2024-04-05	SEALED LEAD ACID CELLS	895	406
2024-08-30	SEALED LEAD ACID CELLS	1,105	501
		<b>4483</b>	<b>2,033</b>

# Environmental Report

**Brock University**  
**Vendor # 04-BUSA**  
**January 1, 2024 to December 31, 2024**

## EWASTE

Categories	LBS
Display Devices	3,615
Computer Equipment	3,474.58
Computer Peripherals	9,261
ITTAV	1,515
Batteries	5,338
Bulbs	2,132
Cartridges	595
Non-Eligible	3,501
<b>TOTAL</b>	<b>29,431.58 LBS</b>

### Categories

**Display Devices:** Television and Monitors

**Computer Equipment:** Desktop, Laptop, Notebook, Tablet PC,

**Computer Peripherals:** Smart Phones, Cell Phones, Hard Drives Telephone Equipment, Printers, Mice, Keyboards, Wires, Cables, Modems, Audio Visual Equipment, Print Cartridges, Multifunction Devices, Home Stereo Equipment, Computer Fans, Connectors, AC Adapters

**ITTAV:** Networking Equipment, Satellite and Cable Receivers, Modems Routers, Video Game Console, etc.

**Bulbs:** Fluorescent bulbs, U or O Shaped, Copper Electrical Light Ballast, LED Bulbs, Mercury Vapour, Metal Halide, HID, HIM or High Pressure Sodium, Incandescent, Halogen and Compact Fluorescent, MR-16.

**Non-Eligible:** Aluminum, Copper/Copper Aluminum, Power Tools, Smoke Detectors, Mixed Metals, Vacuum Cleaners, T.V Boards, Small Household Appliances



**FW: Textbook reuse info for Brock University waste audit**

1 message

Rebecca Kadia Anderson <randerson3@brocku.ca>  
To: Stephen Kuchma <stephen@wastereductiongroup.ca>  
Cc: Jay Ismailovic <jismailovic@brocku.ca>

Thu, Feb 27, 2025 at 1:08 PM

Hi Steve,

Please see below for some additional info on textbooks if it is not too late for you to add to our report. This is in addition to the 400 I already reported in the spreadsheet which is through our campus store. The below is from Textbook for Change, an external organization for textbook reuse.

Thanks!

**Rebecca Anderson**,  
Sustainability Coordinator,  
**Brock University** | Facilities Management

1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | [brocku.ca](http://brocku.ca)

**From:** T4C - Support <[info@textbooksforchange.ca](mailto:info@textbooksforchange.ca)>  
**Sent:** Wednesday, February 26, 2025 4:35 PM  
**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**Subject:** Re: Textbook reuse info for Brock University waste audit

Hi Rebecca,

Thank you for your patience. Here are the calculations for 2024:

- Number of totes collected:** 102
- Total waste diverted:** 4080 lbs
- Trees Saved:** 196 trees
- Number of books collected:** 2040
- Number of books donated:** 1428
- Number of books resold:** 306
- Number of books recycled:** 102
- Total weight of books collected:** 7140 lbs
- Total weight of books donated:** 4998 lbs
- Total weight of books resold:** 1071 lbs
- Total weight of books recycled:** 357 lbs

Please let us know if you have any other questions.

Regards,

Eric  
Textbooks For Change

-- Eric Anari

**Please take a second to rate my reply...**  
[It was awesome](#) [It was OK](#) [It was bad](#)

By clicking on any of the ratings links, you agree to Groove's [Privacy Policy](#) and [Terms of Service](#)

**Subject:** RE: 2024 liquor bottle disposal for waste audit report  
**From:** Dave O'Connor <DOConnor@brockbusu.ca>  
**Date:** 13/01/2025 3:56 PM  
**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>

Hi Rebecca,

Thanks for sending that information.

We recycled approx. 1200 wine, liquor, beer bottles.

We recycled 2000 lbs of fryer oil .

Thanks

Dave



---

**From:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**Sent:** Monday, January 13, 2025 9:20 AM  
**To:** Dave O'Connor <DOConnor@brockbusu.ca>  
**Subject:** RE: 2024 liquor bottle disposal for waste audit report

Hi Dave,

Attached is the email thread with last year's numbers. Which reminds me – can you also please provide this year's quantities of fryer oil removed from your kitchens?

Thank you!

**Rebecca Anderson,**  
Sustainability Coordinator,  
**Brock University** | Facilities Management  
1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | brocku.ca

---

**From:** Dave O'Connor <DOConnor@brockbusu.ca>  
**Sent:** Friday, January 10, 2025 3:40 PM  
**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**Subject:** RE: 2024 liquor bottle disposal for waste audit report

Hi Rebecca,

Do you have last years numbers that I submitted?

I can't seem to find all of my information from this year.

If I saw last year, I would be able to make the necessary adjustments.

Thanks

Dave



---

**From:** Rebecca Kadia Anderson <[randerson3@brocku.ca](mailto:randerson3@brocku.ca)>

**Sent:** Wednesday, January 8, 2025 12:04 PM

**To:** Dave O'Connor <[DOConnor@brockbusu.ca](mailto:DOConnor@brockbusu.ca)>

**Cc:** Jay Ismailovic <[jismailovic@brocku.ca](mailto:jismailovic@brocku.ca)>

**Subject:** 2024 liquor bottle disposal for waste audit report

Hi Dave,

Happy New Year, I hope you are keeping well. It is that time again where we need to collect data for our annual waste audit report. Could you please provide the total amount/weights of beer and liquor bottles disposed of from Isaac's between January 1<sup>st</sup>, 2024 and December 31<sup>st</sup>, 2024?

Thank you in advance,

**Rebecca Anderson,**

Sustainability Coordinator,

**Brock University** | Facilities Management

1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | [brocku.ca](http://brocku.ca)

**Subject:** Re: Brock 2024 shredded paper collection data  
**From:** Norman Kraft <niagararecyclingshredding@gmail.com>  
**Date:** 07/02/2025 2:12 PM  
**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>

Hi Rebecca,

The estimated total for 12 months is 9,900 KGs

Hope this helps, sorry about the delay.

Thanks,  
Tammy

On Fri, Feb 7, 2025 at 1:44 PM Rebecca Kadia Anderson <[randerson3@brocku.ca](mailto:randerson3@brocku.ca)> wrote:

Hi Tammy,

I'm just reaching out to see if you have received this information yet?

With much gratitude,

**Rebecca Anderson,**  
Sustainability Coordinator,  
**Brock University** | Facilities Management

1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | [brocku.ca](http://brocku.ca)

---

**From:** Rebecca Kadia Anderson <[randerson3@brocku.ca](mailto:randerson3@brocku.ca)>  
**Sent:** Monday, February 3, 2025 1:08 PM  
**To:** Norman Kraft <[niagararecyclingshredding@gmail.com](mailto:niagararecyclingshredding@gmail.com)>; Hilary Lindfield <[hindfield@brocku.ca](mailto:hindfield@brocku.ca)>; Norm Kraft <[normkraftniagara@gmail.com](mailto:normkraftniagara@gmail.com)>  
**Subject:** RE: Brock 2024 shredded paper collection data

Hi Tammy,

Thank you so much. Yes, it is something we require every year.

With much gratitude,

**Rebecca Anderson,**  
Sustainability Coordinator,  
**Brock University** | Facilities Management

1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | [brocku.ca](http://brocku.ca)

---

**From:** Norman Kraft <[niagararecyclingshredding@gmail.com](mailto:niagararecyclingshredding@gmail.com)>

**Sent:** Monday, February 3, 2025 1:00 PM

**To:** Rebecca Kadia Anderson <[randerson3@brocku.ca](mailto:randerson3@brocku.ca)>; Hilary Lindfield <[hindfield@brocku.ca](mailto:hindfield@brocku.ca)>; Norm Kraft <[normkraftniagara@gmail.com](mailto:normkraftniagara@gmail.com)>

**Subject:** Re: Brock 2024 shredded paper collection data

Good morning Rebecca,

I am following up with the driver and will get you an estimate by the end of week. Is this something you will require every year? If so it will be easier for us to keep track every month.

Thank you,

Tammy

On Thu, Jan 9, 2025 at 10:39 AM Rebecca Kadia Anderson <[randerson3@brocku.ca](mailto:randerson3@brocku.ca)> wrote:

Good morning,

I hope this email finds you well. In order to complete Brock University's mandated waste audit report, we require the previous year's data on shredded paper collection. Could you please provide the total weights of shredded confidential paper picked up by Niagara Recycling from Brock's main campus (and if you collect it from Marilyn Walker as well) between January 1<sup>st</sup>, 2024 and December 31<sup>st</sup>, 2024?

Thank you and looking forward to hearing from you,

**Rebecca Anderson,**  
Sustainability Coordinator,  
**Brock University** | Facilities Management

1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | [brocku.ca](https://brocku.ca)

--

**Subject:** RE: Brock University Scrap Metal Pick Up for 2024

**From:** Frank Ruffolo <fruffolo@ramiron.com>

**Date:** 08/01/2025 10:53 AM

**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>, John Dick <jdick@brocku.ca>

**CC:** Jay Ismailovic <jismailovic@brocku.ca>

Hello Rebecca,  
Happy New Year! I hope you are keeping well.

Here is the Annual report 2024 your reference.

Account	Grade	Weight	Amount
BROCK UNIVERSITY	MIX OS SHRD	37.93	3545.10
BROCK UNIVERSITY	S/S DIRTY	.53	179.86
<b>Total:</b>		<b>38.46 NT</b>	<b>\$3724.96</b>

Best Regards,

**Frank Ruffolo**

Director Sales & Marketing  
Office: 416.630.4545 Ext. 332  
Mobile: 416.991.6414  
Email: [fruffolo@ramiron.com](mailto:fruffolo@ramiron.com)  
Website: [www.ramiron.com](http://www.ramiron.com)



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**Please consider your environmental responsibility before printing this e-mail - keep it electronic and save a tree!**

---

**From:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**Sent:** Tuesday, January 7, 2025 3:08 PM  
**To:** Frank Ruffolo <fruffolo@ramiron.com>  
**Cc:** Jay Ismailovic <jismailovic@brocku.ca>  
**Subject:** Brock University Scrap Metal Pick Up for 2024

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Frank,

I hope this email finds you well. . In order to complete our mandated waste audit report, we require the previous year’s data on scrap metal collection. Could you please provide the total weights of scrap metal picked up by Ram from Brock University between January 1<sup>st</sup> , 2024 and December 31<sup>st</sup> , 2024?

Thank you in advance,

**Rebecca Anderson,**

Sustainability Coordinator,

**Brock University** | Facilities Management

1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | [brocku.ca](http://brocku.ca)

**Subject:** Re: Textbook reuse info  
**From:** Jen Lawson <jlawson@brocku.ca>  
**Date:** 17/01/2025 8:45 AM  
**To:** Rebecca Kadia Anderson <randerson3@brocku.ca>

Good morning Rebecca

Total number of books bought back through the textbook buyback program to resell as USED in 2024 was 495 units. Of the 495 units, 200 units were bought back and sold again to Brock University students, and 295 units were sent back to MBS to be sold at other Universities.

The Textbook bins around campus are from Textbooks for Change and are a separate initiative. <https://www.textbooksforchange.com/how-it-works>

Givers Gain,  
**Jen**

My working hours may be different than yours. Please reply during your working hours.

---

**From:** Rebecca Kadia Anderson <randerson3@brocku.ca>  
**Date:** Wednesday, January 15, 2025 at 11:09 AM  
**To:** Jen Lawson <jlawson@brocku.ca>  
**Subject:** Textbook reuse info

Hi Jen,

I hope you are doing well. I am currently gathering information for our waste audit report and was wondering if you have any data on this year's textbook reuse program run through the campus store. Specifically, I'm looking for any details on the quantity or weight of textbooks. Additionally, I wanted to clarify whether those bins throughout the school - I believe labeled 'textbooks for change' where students can drop off their used textbooks – are part of the same program or a separate initiative.

Looking forward to hearing from you!

Warm regards,  
**Rebecca Anderson**,  
Sustainability Coordinator,  
**Brock University** | Facilities Management  
1812 Sir Isaac Brock Way | St. Catharines, Ontario L2S 3A1 | brocku.ca

**Environmental Protection Act  
Loi sur la protection de l'environnement**

Partial copy of  
O.Reg.102/94

**ONTARIO REGULATION 102/94**

**WASTE AUDITS AND WASTE REDUCTION WORK PLANS**

**Consolidation Period:** From March 3, 1994 to the [e-Laws currency date](#).

No amendments.

*This Regulation is made in English only.*

**PART I  
GENERAL**

**1.** In this Regulation,

“waste” means municipal waste as defined in Regulation 347 of the Revised Regulations of Ontario, 1990;

“waste audit” means a study relating to waste;

“waste reduction work plan” means a plan to reduce, reuse and recycle waste. O. Reg. 102/94, s. 1.

**2.** A waste audit required under this Regulation shall address,

(a) the amount, nature and composition of the waste;

(b) the manner by which the waste gets produced, including management decisions and policies that relate to the production of waste; and

(c) the way in which the waste is managed. O. Reg. 102/94, s. 2.

**3.** (1) A waste reduction work plan required under this Regulation shall include, to the extent that is reasonable, plans to reduce, reuse and recycle waste and shall set out who will implement each part of the plan, when each part will be implemented and what the expected results are.

(2) In developing the work plan, regard shall be had to the following principles:

1. Reduction is the first objective.

2. If reduction is not possible, then reuse is the next objective.

3. If reduction and reuse are not possible, then recycling is the final objective. O. Reg. 102/94, s. 3.

**4.** A person who is required under this Regulation to prepare a report of a waste audit or a waste reduction work plan shall prepare it on a form provided by the Ministry or in the same format as such a form. O. Reg. 102/94, s. 4.

**5.** (1) A person who is required under this Regulation to prepare a report of a waste audit or a waste reduction work plan shall retain a copy of the report or plan for at least five years after it was prepared.

(2) A person who is required under this Regulation to prepare a report of a waste audit or a waste reduction work plan shall submit to the Director, on request, the required report or plan, within seven days of the Director requesting them. O. Reg. 102/94, s. 5.

**6.** (1) A person who becomes subject to an obligation under this Regulation to prepare a report of a waste audit or a waste reduction work plan shall do so within six months of becoming subject to the obligation.

(2) This section does not apply with respect to updated reports or plans.

(3) This section does not apply with respect to obligations of a builder under Part IV or a demolisher under Part V. O. Reg. 102/94, s. 6.

**7.** (1) A new owner or operator to whom this Regulation applies is not required to conduct a new waste audit or prepare a new waste reduction work plan if an audit or work plan was conducted or prepared by a previous owner or operator and the new owner or operator updates the audit and work plan as required under this Regulation.

(2) This section does not apply with respect to a builder under Part IV or a demolisher under Part V. O. Reg. 102/94, s. 7.

**8.** (1) A person who has an obligation to conduct a waste audit and prepare a report under Part II, III, VI, VII, VIII, IX, X or XI in respect of more than one retail shopping establishment, retail shopping complex, building, restaurant, hotel or motel, hospital, location or campus of an educational institution, or site of a manufacturing establishment, may conduct a single

**50.** The waste reduction work plan shall include measures for communicating the plan to the operator's employees who work at the hospital and, as a minimum, those measures shall require,

- (a) that the plan or a summary be posted in places where most employees will see it; and
- (b) if a summary is posted, that any employee who requests to look at the plan be allowed to do so. O. Reg. 102/94, s. 50.

**PART X**  
**EDUCATIONAL INSTITUTIONS**

**51.** (1) This Part applies to the operator of an educational institution in respect of a location or campus of the institution if, at the location or campus, at any time during the calendar year, more than 350 persons are enrolled.

(2) This Part continues to apply in respect of a location or campus for the two calendar years following the last year in which more than 350 persons were enrolled at the location or campus. O. Reg. 102/94, s. 51.

**52.** (1) The operator shall conduct a waste audit covering the waste generated by the operation of the institution at the location or campus. The audit shall also address the extent to which materials or products used consist of recycled or reused materials or products.

(2) After conducting the waste audit, the operator shall prepare a written report of the audit.

(3) In every year following the initial waste audit, the operator shall update the audit and prepare an updated written report. O. Reg. 102/94, s. 52.

**53.** (1) The operator shall prepare a written waste reduction work plan, based on the waste audit, to reduce, reuse and recycle waste generated by the operation of the institution at the location or campus.

(2) In every year following the preparation of the initial waste reduction work plan, the operator shall prepare an updated written plan. O. Reg. 102/94, s. 53.

**54.** The operator shall implement the waste reduction work plan as updated. O. Reg. 102/94, s. 54.

**55.** The waste reduction work plan shall include measures for communicating the plan to the operator's employees who work at the location or campus and, as a minimum, those measures shall require,

- (a) that the plan or a summary be posted in places where most employees will see it; and
- (b) if a summary is posted, that any employee who requests to look at the plan be allowed to do so. O. Reg. 102/94, s. 55.

**PART XI**  
**LARGE MANUFACTURING ESTABLISHMENTS**

**56.** (1) This Part applies to the owner or operator of a site that is a manufacturing establishment.

(2) This Part does not apply to an owner of a site in a particular calendar year if,

- (a) during the two preceding calendar years there was no calendar month in which the hours worked by the persons employed at the site exceeded 16,000 hours; and
- (b) the owner is able to demonstrate this fact, within seven days of a request from the Director, through evidence satisfactory to the Director.

(3) Copies of the records related to hours of employment maintained under section 11 of the *Employment Standards Act* shall be deemed to be sufficient evidence of hours worked at a site if the copies are certified by the owner or the owner's representative as to the accuracy of the records.

(4) In this Part,

"owner" includes the operator of a manufacturing establishment but does not include a landlord;

"site" means one property and includes nearby properties owned or leased by the same person where passage from one property to another involves crossing, but not travelling along, a public highway. O. Reg. 102/94, s. 56.

**57.** (1) The owner shall conduct a waste audit covering the waste generated by the operation of the establishment at the site. The audit shall also address the extent to which materials or products used or sold consist of recycled or reused materials or products.

(2) After conducting the waste audit, the owner shall prepare a written report of the audit.

(3) In every year following the initial waste audit, the owner shall update the audit and prepare an updated written report. O. Reg. 102/94, s. 57.

**58.** (1) The owner shall prepare a written waste reduction work plan, based on the waste audit, to reduce, reuse and recycle waste generated by the operation of the establishment.

(2) In every year following the preparation of the initial waste reduction work plan, the owner shall prepare an updated written plan. O. Reg. 102/94, s. 58.

**Environmental Protection Act  
Loi sur la protection de l'environnement**

Partial copy of  
O.Reg.103/94

**ONTARIO REGULATION 103/94**

**INDUSTRIAL, COMMERCIAL AND INSTITUTIONAL SOURCE SEPARATION  
PROGRAMS**

**Consolidation Period:** From March 3, 1994 to the [e-Laws currency date](#).

No amendments.

*This Regulation is made in English only.*

SOURCE SEPARATION PROGRAMS

1. In this Regulation,

“Northern Ontario” means the territorial districts of Algoma, Cochrane, Kenora, Manitoulin, Nipissing, Parry Sound, Rainy River, Sudbury, Thunder Bay and Timiskaming and The Regional Municipality of Sudbury;

“source separation program” means a program to facilitate the source separation of waste for reuse or recycling. O. Reg. 103/94, s. 1.

2. (1) A source separation program required under this Regulation must include,

- (a) the provision of facilities for the collection, handling and storage of source separated wastes described in subsection (2) adequate for the quantities of anticipated wastes;
- (b) measures to ensure that the source separated wastes that are collected are removed;
- (c) the provision of information to users and potential users of the program,
  - (i) describing the performance of the program,
  - (ii) encouraging effective source separation of waste and full use of the program;
- (d) reasonable efforts to ensure that full use is made of the program and that the separated waste is reused or recycled.

(2) The source separated waste referred to in clause (1) (a) is waste that has been source separated from other kinds of waste and that consists solely of waste from one or more of the following categories:

- 1. The categories of waste set out in the part of the Schedule applicable to the person required to implement the source separation program.
- 2. The categories of waste set out in Schedule 1, 2 or 3 of Ontario Regulation 101/94 that the source separation program accepts.

(3) A source separation program required under this Regulation must provide for all the categories of waste set out in the part of the Schedule applicable to the person required to implement the program except for categories of waste that cannot be reasonably anticipated. O. Reg. 103/94, s. 2.

**3.** Source separation programs required by this Regulation are exempt from sections 27, 40 and 41 of the Act. O. Reg. 103/94, s. 3.

**4.** (1) A source separation program that is not required by this Regulation is exempt from sections 27, 40 and 41 of the Act if,

- (a) the program is restricted to waste generated at a single site;
- (b) the program only accepts waste that has been source separated from other kinds of waste and that consists solely of waste from one or more of the categories of waste set out in Schedule 1, 2 or 3 of Ontario Regulation 101/94;
- (c) the program includes everything set out in subsection 2 (1).

(2) For the purposes of clause (1) (c), the reference to source separated waste in clause 2 (1) (a) shall be deemed to be a reference to the waste described in clause (1) (b). O. Reg. 103/94, s. 4.

#### RETAIL SHOPPING ESTABLISHMENTS

**5.** (1) This section applies to the owner of an establishment that sells goods or services at retail to persons who come to the establishment if,

- (a) the establishment occupies premises with a floor area of at least 10,000 square metres;  
or
- (b) the establishment occupies premises in a complex in respect of which section 6 applies and the owner of the establishment is solely responsible for the establishment's waste management.

(2) The owner shall implement a source separation program for the wastes generated by the establishment or shall ensure that such a program is implemented.

(3) This section applies only in respect of an establishment located within a local municipality that has a population of at least 5,000.

(4) This section takes effect with respect to an establishment in Northern Ontario on July 1, 1996. O. Reg. 103/94, s. 5.

#### RETAIL SHOPPING COMPLEXES

**6.** (1) This section applies to the owner of a complex that contains premises occupied by establishments that sell goods or services at retail to persons who come to the establishments if the total floor area of such premises is at least 10,000 square metres.

(2) The owner shall implement a source separation program for the wastes generated at the complex or shall ensure that such a program is implemented.

(3) The source separation program need not provide for the waste generated in the operation of an establishment in the complex if section 5 applies to the owner of the establishment.

(4) This section applies only in respect of a complex located in a local municipality that has a population of at least 5,000.

(5) This section takes effect with respect to a complex in Northern Ontario on July 1, 1996. O. Reg. 103/94, s. 6.

- (c) a building in respect of which section 9 applies;
- (d) a hotel or motel in respect of which section 12 applies;
- (e) a hospital in respect of which section 13 applies;
- (f) a location or campus of an educational institution in respect of which section 14 applies.

- (4) This section does not apply to an owner of a restaurant in a particular calendar year if,
- (a) during the two preceding calendar years there was no year in which the gross sales for all restaurants operated by the owner in Ontario equalled or exceeded \$3,000,000; and
  - (b) the owner is able to demonstrate this fact, within seven days of a request from the Director, through evidence satisfactory to the Director.

(5) Copies of the records related to purchase and sale maintained under subsection 5 (1) of Regulation 1013 of the Revised Regulations of Ontario, 1990 shall be deemed to be sufficient evidence of the gross sales of a restaurant if the copies are certified by the owner or the owner's representative as to the accuracy of the records.

(6) This section applies only in respect of a restaurant located within a local municipality that has a population of at least 5,000.

(7) This section takes effect with respect to a restaurant in Northern Ontario on July 1, 1996. O. Reg. 103/94, s. 11.

#### HOTELS AND MOTELS

**12.** (1) The owner of a hotel or motel that has more than seventy-five units shall implement a source separation program for the wastes generated by the operation of the hotel or motel or shall ensure that such a program is implemented.

(2) This section applies only in respect of a hotel or motel located within a local municipality that has a population of at least 5,000.

(3) This section takes effect with respect to a hotel or motel in Northern Ontario on July 1, 1996. O. Reg. 103/94, s. 12.

#### HOSPITALS

**13.** (1) The operator of a public hospital classified as a class A, B or F hospital in Regulation 964 of the Revised Regulations of Ontario, 1990 shall implement a source separation program for the wastes generated by the operation of the hospital or shall ensure that such a program is implemented.

(2) This section applies only in respect of a public hospital located within a local municipality that has a population of at least 5,000.

(3) This section takes effect with respect to a public hospital in Northern Ontario on July 1, 1996. O.Reg. 103/94, s. 13.

#### EDUCATIONAL INSTITUTIONS

**14.** (1) This section applies to the operator of an educational institution in respect of a location or campus of the institution if, at the location or campus, at any time during the

calendar year, more than 350 persons are enrolled.

(2) The operator shall implement a source separation program for the waste generated by the operation of the institution at the location or campus or shall ensure that such a program is implemented.

(3) This section continues to apply in respect of a location or campus for the two calendar years following the last year in which more than 350 persons were enrolled at the location or campus.

(4) This section applies only in respect of a location or campus located within a local municipality that has a population of at least 5,000.

(5) This section takes effect with respect to a location or campus in Northern Ontario on July 1, 1996. O. Reg. 103/94, s. 14.

#### LARGE MANUFACTURING ESTABLISHMENTS

**15.** (1) This section applies to the owner or operator of a site that is a manufacturing establishment.

(2) The owner shall implement a source separation program for the waste generated by the operation of the establishment at the site or shall ensure that such a program is implemented.

(3) This section does not apply to an owner of a site in a particular calendar year if,

(a) during the two preceding calendar years there was no calendar month in which the hours worked by the persons employed at the site exceeded 16,000 hours; and

(b) the owner is able to demonstrate this fact, within seven days of a request from the Director, through evidence satisfactory to the Director.

(4) Copies of the records related to hours of employment maintained under section 11 of the *Employment Standards Act* shall be deemed to be sufficient evidence of hours worked at a site if the copies are certified by the owner or the owner's representative as to the accuracy of the records.

(5) In this section,

“owner” includes the operator of a manufacturing establishment but does not include a landlord;

“site” means one property and includes nearby properties owned or leased by the same person where passage from one property to another involves crossing, but not travelling along, a public highway. O. Reg. 103/94, s. 15.

#### TRANSITION

**16.** Except as otherwise provided, a person who, upon the coming into force of this Regulation, or at any time within twelve months after the coming into force of this Regulation, becomes subject to an obligation with respect to the implementation of a source separation program shall fulfil the obligation within twelve months after the coming into force of this Regulation. O.Reg. 103/94, s. 16.

#### SCHEDULE

#### WASTES TO BE PROVIDED FOR IN SOURCE SEPARATION PROGRAMS

2. Cardboard (corrugated).
3. Fine paper.
4. Glass bottles and jars for food or beverages.
5. Newsprint.
6. Polyethylene terephthalate bottles for food or beverages (including bottles made primarily of polyethylene terephthalate).
7. Steel food or beverage cans (including cans made primarily of steel).

**PART IX  
HOSPITALS**

(referred to in section 13)

1. Aluminum food or beverage cans (including cans made primarily of aluminum).
2. Cardboard (corrugated).
3. Fine paper.
4. Glass bottles and jars for food or beverages.
5. Newsprint.
6. Steel food or beverage cans (including cans made primarily of steel).

**PART X  
EDUCATIONAL INSTITUTIONS**

(referred to in section 14)

1. Aluminum food or beverage cans (including cans made primarily of aluminum).
2. Cardboard (corrugated).
3. Fine paper.
4. Glass bottles and jars for food or beverages.
5. Newsprint.
6. Steel food or beverage cans (including cans made primarily of steel).

**PART XI  
LARGE MANUFACTURING ESTABLISHMENTS**

(referred to in section 15)

1. Aluminum.
2. Cardboard (corrugated).
3. Fine paper.
4. Glass.
5. Newsprint.



## CALIBRATION CERTIFICATE

**DATE:** Jan 29, 2024

**SR #** 51961

**CUSTOMER:**

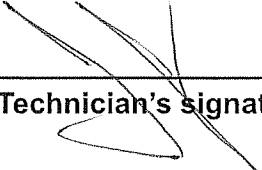
Waste Reduction Group  
214 Merton St, Unit 101  
Toronto, ON

**REMARKS**

This is to certify that the following scale has been tested and verified in relation to the Standards maintained by **CANADIAN SCALE COMPANY LIMITED**, with test weights traceable to the Legal Metrology Laboratories of, Industry Canada and National Research Council, Canada.

**Western bench scale - model - EWH150  
Capacity 150 kg  
S/N - 2021041114**

**CANADIAN SCALE COMPANY LIMITED is an Authorized Service Provider of  
Measurement Canada**

  
\_\_\_\_\_  
**Technician's signature**

**Craig Stadig**



**CANADIAN SCALE COMPANY LIMITED**  
305 Horner Avenue, Toronto, ON M8W 1Z4  
1-800-461-0634 [www.canscale.com](http://www.canscale.com)

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**Appendix B**

**Waste Audit Data**

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Waste Audit Report  
 Brock University  
 WRG Project P1471

Table B2: GARBAGE Waste Audit Sample Summary

Audit Location	Audited Building Name	Fall Audit Date	Fall Sample kg
1	Walker Complex	Sep24/24	57.71
2	South Block	Sep24/24	52.76
3	Harrison Hall/Kenmore Hall	Sep24/24	6.80
4	Welch Hall	Sep24/24	50.57
5	CUB	Sep24/24	4.10
6	Student Centre	Sep25/24	6.92
7	GSB	Sep25/24	17.68
8	Plaza - Bookstore	Sep25/24	57.32
9	Cairns	Sep25/24	60.13
10	Outdoor Bins	Note 1	62.86
11	BRIC	Note 2	20.06
12	Heritage Place Plaza	Sep26/24	0.22
13	Alpha's Trough	Sep27/24	3.82
14	Tower	Sep27/24	162.68
15	Thistle	Sep27/24	112.83
16	Scotia Bank Hall	Sep27/24	6.24
17	Burlington Campus	Oct4/24	24.11
18	Marlyn I Walker School	Jan31/25	27.86
19	DeCew	Oct1/25	114.02
20	Quarry View South Residence	Oct1/25	23.10
21	MacKenzie Chown-Inniskillin	Oct2/25	21.49
22	Residence 8	Oct2/25	38.50
23	Village Residence	Oct3/25	144.85
24	Lowenberger	Oct3/25	31.30
<b>Total Sample:</b>			<b>1107.93</b>

Note 1: Outdoor samples from Sep26/24 and Jan.31/25.  
 Note 2: BRIC samples from Sep26/24 and Oct.8/24.

Table B3: Overall 2024 FALL GARBAGE Composition Summary

Area of Collection:	Office & Admin		Public Areas		Washrooms		Food Services Kitchens		Food Services Dining		Labs		Residences		Unlabelled		Outdoor Bins		Total	
Total Weight of Sample (in kg):	32.66		288.47		95.17		93.90		188.67		50.71		224.89		70.70		62.86		1107.93	
Total Percent of Sample (in %):	2.9%		26.0%		8.6%		8.5%		17.0%		4.6%		20.3%		6.4%		5.7%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers																				
PET (#1)	0.56	1.7%	5.89	2.0%	0.47	0.5%	9.09	9.7%	2.73	1.5%	0.05	0.1%	6.08	2.7%	5.01	7.1%	1.71	2.7%	31.60	2.9%
HDPE (#2)	0.02	0.1%	0.14	0.0%	0.03	0.0%	0.02	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.17	0.2%	0.32	0.5%	0.70	0.1%
PP (#5)	1.47	4.5%	13.91	4.8%	0.99	1.0%	5.27	5.6%	7.50	4.0%	0.05	0.1%	6.22	2.8%	0.76	1.1%	2.52	4.0%	38.69	3.6%
PS (#6)	0.19	0.6%	2.47	0.9%	0.16	0.2%	0.59	0.6%	0.59	0.3%	0.01	0.0%	0.00	0.0%	0.04	0.1%	0.40	0.6%	4.45	0.4%
Glass	0.00	0.0%	0.00	0.0%	0.11	0.1%	0.00	0.0%	0.12	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.83	1.3%	1.06	0.1%
Aluminum	0.26	0.8%	2.52	0.9%	0.23	0.2%	2.19	2.3%	0.23	0.1%	0.00	0.0%	4.50	2.0%	0.93	1.3%	0.68	1.1%	11.54	1.0%
Steel	0.16	0.5%	0.75	0.3%	0.00	0.0%	0.54	0.6%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	1.45	0.1%
Gable Top	0.00	0.0%	1.49	0.5%	0.32	0.3%	0.52	0.6%	0.99	0.5%	0.00	0.0%	0.10	0.0%	0.00	0.0%	0.27	0.4%	3.69	0.3%
Aseptic	0.09	0.3%	1.40	0.5%	0.00	0.0%	0.14	0.1%	0.16	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.23	0.4%	2.02	0.2%
Total Mixed Papers																				
Fine Paper	2.64	8.1%	4.73	1.6%	0.53	0.6%	0.63	0.7%	0.10	0.1%	0.32	0.6%	0.00	0.0%	1.03	1.5%	1.07	1.7%	11.05	1.0%
Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Boxboard	2.40	7.3%	27.60	9.6%	1.89	2.0%	8.42	9.0%	21.00	11.1%	0.82	1.6%	27.95	12.4%	7.01	9.9%	5.66	9.0%	102.75	9.3%
Other Paper Fibres	3.86	11.8%	17.89	6.2%	1.41	1.5%	9.73	10.4%	5.06	2.7%	0.32	0.6%	25.48	11.3%	4.07	5.8%	5.93	9.4%	73.75	6.7%
Corrugated Cardboard	0.00	0.0%	3.45	1.2%	0.00	0.0%	0.25	0.3%	0.71	0.4%	0.16	0.3%	5.43	2.4%	3.31	4.7%	0.26	0.4%	13.57	1.2%
Coffee Cups	5.34	16.4%	19.03	6.6%	2.88	3.0%	5.69	6.1%	6.13	3.3%	0.68	1.3%	3.66	1.6%	0.64	0.9%	6.58	10.4%	50.59	4.6%
Coffee Pods	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Other Paper Drink Cups	1.19	3.6%	10.59	3.7%	0.59	0.6%	2.46	2.6%	3.31	1.8%	0.09	0.2%	1.60	0.7%	0.16	0.2%	3.20	5.1%	23.20	2.1%
Organic Food Waste	3.38	10.4%	45.45	15.8%	1.97	2.1%	12.17	13.0%	56.33	29.9%	0.00	0.0%	70.41	31.3%	8.47	12.0%	14.53	23.1%	212.71	19.2%
Compostable Fibres	4.21	12.9%	32.65	11.3%	72.83	25.5%	15.36	16.4%	67.19	35.6%	6.77	13.4%	44.01	19.6%	11.28	16.0%	7.86	12.5%	262.18	23.7%
Compostable Dishware	0.00	0.0%	1.02	0.4%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	1.02	0.1%
LDPE Plastic Films	2.34	7.2%	12.19	4.2%	0.76	0.8%	8.26	8.8%	2.30	1.2%	0.51	1.0%	18.18	8.1%	0.89	1.3%	0.49	0.8%	45.92	4.1%
Styrofoam	0.58	1.7%	1.15	0.4%	0.00	0.0%	4.59	4.9%	0.00	0.0%	0.00	0.0%	1.13	0.5%	0.94	1.3%	0.00	0.0%	8.36	0.8%
Other Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Scrap Metal	0.11	0.3%	0.05	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Scrap Wood	0.02	0.1%	0.95	0.3%	0.00	0.0%	0.21	0.2%	0.75	0.4%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.24	0.4%	2.16	0.2%
Textiles	0.18	0.6%	0.74	0.3%	0.34	0.4%	0.00	0.0%	0.00	0.0%	0.00	0.0%	3.01	1.3%	3.51	5.0%	0.33	0.5%	8.11	0.7%
Shoes/Boots	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.05	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.05	0.0%
Take out food packaging	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Food/snack wrappers	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.02	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.02	0.0%
PPE	0.04	0.1%	0.44	0.2%	1.93	2.0%	2.61	2.8%	1.25	0.7%	2.68	5.3%	0.33	0.1%	0.19	0.3%	0.01	0.0%	9.48	0.9%
Gloves	0.00	0.0%	0.00	0.0%	0.05	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.05	0.0%
Single-use plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Lab Plastics	0.00	0.0%	0.02	0.0%	0.00	0.0%	0.01	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.03	0.0%
Lab Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Waste	0.00	0.0%	0.30	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.13	0.2%	0.00	0.0%	0.43	0.0%
Bulbs	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Batteries	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Printer Toners	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Non-recyclable	3.65	11.2%	81.61	28.3%	7.66	8.1%	5.16	5.5%	12.12	6.4%	38.23	75.4%	6.26	2.8%	22.17	31.4%	6.10	9.7%	182.97	16.5%
QA/QC Check	32.66	100.0%	288.47	100.0%	95.17	100.0%	93.90	100.0%	188.67	100.0%	50.71	100.0%	224.89	100.0%	70.70	100.0%	62.86	100.0%	1107.93	100.0%
Total Mixed Containers	2.75	8.4%	28.58	9.9%	2.31	2.4%	18.36	19.6%	12.32	6.5%	0.11	0.2%	16.90	7.5%	6.91	9.8%	6.96	11.1%	95.19	8.6%
Total Mixed Papers	8.90	27.2%	50.22	17.4%	3.83	4.0%	18.78	20.0%	26.16	13.9%	1.46	2.9%	53.43	23.8%	12.11	17.1%	12.66	20.1%	187.54	16.9%

**Table B4: Overall 2015 SUMMER GARBAGE Composition Summary**

Area of Collection:	Office & Admin		Public Areas		Washrooms		Food Services Kitchens		Food Services Dining		Labs		Residences		Food Services Tenant Space		Outdoor Bins		Total	
Total Weight of Sample (in kg):	29.02		67.49		11.85		0.00		0.00		0.00		0.00		51.40		0.00		159.75	
Total Percent of Sample (in %):	18.2%		42.2%		7.4%		0.0%		0.0%		0.0%		0.0%		32.2%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1)	4.26	14.7%	5.25	7.8%	0.13	1.1%								0.00	0.0%			9.64	6.0%
	HDPE (#2)	0.88	3.0%	0.56	0.8%	0.00	0.0%								0.00	0.0%			1.44	0.9%
	PP (#5)	2.17	7.5%	4.56	6.8%	0.13	1.1%								0.00	0.0%			6.86	4.3%
	PS (#6)	3.50	12.1%	6.31	9.3%	0.16	1.4%								0.00	0.0%			9.97	6.2%
	Glass	0.47	1.6%	3.02	4.5%	0.00	0.0%								0.00	0.0%			3.49	2.2%
	Aluminum	2.54	8.7%	1.36	2.0%	0.09	0.8%								0.00	0.0%			3.99	2.5%
	Steel	0.00	0.0%	0.76	1.1%	0.00	0.0%								0.00	0.0%			0.76	0.5%
	Gable Top	0.52	1.8%	3.14	4.7%	0.01	0.1%								0.00	0.0%			3.67	2.3%
	Aseptic	0.87	3.0%	1.11	1.7%	0.01	0.1%								0.00	0.0%			1.99	1.2%
Total Mixed Papers	Fine Paper	0.88	3.0%	1.44	2.1%	0.13	1.1%								0.06	0.1%			2.52	1.6%
	Newsprint	0.28	1.0%	0.22	0.3%	0.47	4.0%								0.00	0.0%			0.98	0.6%
	Boxboard	0.10	0.4%	3.03	4.5%	0.02	0.1%								0.26	0.5%			3.41	2.1%
	Other Paper Fibres	0.84	2.9%	3.91	5.8%	0.16	1.3%								0.82	1.6%			5.73	3.6%
Corrugated Cardboard		0.13	0.4%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.13	0.1%
Coffee Cups		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Coffee Pods		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Other Paper Drink Cups		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Organic Food Waste		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Compostable Fibres		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Compostable Dishware		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
LDPE Plastic Films		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Styrofoam		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Other Plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Scrap Metal		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Scrap Wood		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Textiles		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Shoes/Boots		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Office Supplies (Pens/Markers, etc)		0.13	0.5%	1.57	2.3%	4.50	38.0%								5.33	10.4%			11.54	7.2%
Take out food packaging		1.31	4.5%	4.57	6.8%	0.87	7.3%								2.69	5.2%			9.43	5.9%
Food/snack wrappers		3.16	10.9%	17.17	25.4%	3.07	25.9%								24.20	47.1%			47.61	29.8%
PPE		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Gloves		0.32	1.1%	1.50	2.2%	0.00	0.0%								0.19	0.4%			2.00	1.3%
Single-use plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Lab Plastics		0.00	0.0%	0.18	0.3%	0.00	0.0%								0.42	0.8%			0.60	0.4%
Lab Glasses		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Ewaste		2.21	7.6%	0.15	0.2%	0.00	0.0%								0.00	0.0%			2.37	1.5%
Bulbs		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Batteries		0.00	0.0%	1.05	1.6%	0.00	0.0%								0.00	0.0%			1.05	0.7%
Printer Toners		0.00	0.0%	0.00	0.0%	0.00	0.0%								0.00	0.0%			0.00	0.0%
Non-recyclable		4.44	15.3%	6.61	9.8%	2.10	17.7%								17.41	33.9%			30.56	19.1%
QAQC Check		29.02	100.0%	67.49	100.0%	11.85	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	51.40	100.0%		159.75	100.0%
Total Mixed Containers		15.21	52.4%	25.08	38.6%	0.54	4.5%								0.00	0.0%			41.82	26.2%
Total Mixed Papers		2.10	7.2%	8.60	12.8%	0.78	6.6%								1.15	2.2%			12.64	7.9%

**Table B5: Overall FALL/SUMMER COMBINED GARBAGE Composition Summary**

Area of Collection:	Office & Admin		Public Areas		Washrooms		Food Services Kitchens		Food Services Dining		Labs		Residences		Unlabelled		Outdoor Bins		Total		
Total Weight of Sample (in kg):	61.68		355.95		107.01		93.90		188.57		50.71		224.89		122.10		62.86		1267.68		
Total Percent of Sample (in %):	4.9%		28.1%		8.4%		7.4%		14.9%		4.0%		17.7%		9.6%		5.0%		100.0%		
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	
Total Mixed Containers	PET (#1)	4.82	7.8%	11.15	3.1%	0.60	0.6%	9.09	9.7%	2.73	1.5%	0.05	0.1%	6.08	2.7%	5.01	4.1%	1.71	2.7%	41.24	3.3%
	HDPE (#2)	0.90	1.5%	0.70	0.2%	0.03	0.0%	0.02	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.17	0.1%	0.32	0.5%	2.14	0.2%
	PP (#5)	3.64	5.9%	18.47	5.2%	1.12	1.0%	5.27	5.6%	7.50	4.0%	0.05	0.1%	6.22	2.8%	2.52	4.0%	45.55	3.6%	45.55	3.6%
	PS (#6)	3.69	6.0%	8.78	2.5%	0.32	0.3%	0.59	0.6%	0.59	0.3%	0.01	0.0%	0.00	0.0%	0.04	0.0%	0.40	0.6%	14.42	1.1%
	Glass	0.47	0.8%	3.02	0.8%	0.11	0.1%	0.00	0.0%	0.12	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.83	1.3%	4.55	0.4%
	Aluminum	2.79	4.5%	3.89	1.1%	0.32	0.3%	2.19	2.3%	0.23	0.1%	0.00	0.0%	4.50	2.0%	0.93	0.8%	0.68	1.1%	15.53	1.2%
	Steel	0.16	0.3%	1.51	0.4%	0.00	0.0%	0.54	0.6%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	2.21	0.2%
	Gable Top	0.52	0.8%	4.63	1.3%	0.33	0.3%	0.52	0.6%	0.99	0.5%	0.00	0.0%	0.10	0.0%	0.00	0.0%	0.27	0.4%	7.36	0.6%
	Aseptic	0.96	1.6%	2.51	0.7%	0.01	0.0%	0.14	0.1%	0.16	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.23	0.4%	4.01	0.3%
Total Mixed Papers	Fine Paper	3.52	5.7%	6.17	1.7%	0.66	0.6%	0.63	0.7%	0.10	0.1%	0.32	0.6%	0.00	0.0%	1.09	0.9%	1.07	1.7%	13.57	1.1%
	Newsprint	0.28	0.5%	0.22	0.1%	0.47	0.4%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.98	0.1%
	Boxboard	2.50	4.1%	30.63	8.6%	1.91	1.8%	8.42	9.0%	21.00	11.1%	0.82	1.6%	27.95	12.4%	7.27	6.0%	5.66	9.0%	106.15	8.4%
	Other Paper Fibres	4.70	7.6%	21.80	6.1%	1.57	1.5%	9.73	10.4%	5.06	2.7%	0.32	0.6%	25.48	11.3%	4.89	4.0%	5.93	9.4%	79.47	6.3%
Corrugated Cardboard		0.13	0.2%	3.45	1.0%	0.00	0.0%	0.25	0.3%	0.71	0.4%	0.16	0.3%	5.43	2.4%	3.31	2.7%	0.26	0.4%	13.70	1.1%
Coffee Cups		5.34	8.7%	19.03	5.3%	2.88	2.7%	5.69	6.1%	6.13	3.3%	0.68	1.3%	3.66	1.6%	0.64	0.5%	6.55	10.4%	50.59	4.0%
Coffee Pods		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Other Paper Drink Cups		1.19	1.9%	10.59	3.0%	0.59	0.6%	2.46	2.6%	3.31	1.8%	0.09	0.2%	1.60	0.7%	0.16	0.1%	3.20	5.1%	23.20	1.8%
Organic Food Waste		3.38	5.5%	45.45	12.8%	1.97	1.8%	12.17	13.0%	56.33	29.9%	0.00	0.0%	70.41	31.3%	8.47	6.9%	14.53	23.1%	212.71	16.8%
Compostable Fibres		4.21	6.8%	32.65	9.2%	72.83	68.1%	15.36	16.4%	67.19	35.6%	6.77	13.4%	44.01							

**Waste Audit Report**

Brock University  
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**Table B6: RECYCLE FALL Waste Audit Sample Summary**

Audit Location	Audited Building Name	Audit Date	Total Sample kg
1	Walker Complex	Sep24/24	---
2	South Block	Sep24/24	---
3	Harrison Hall/Kenmore Hall	Sep24/24	---
4	Welch Hall	Sep24/24	---
5	CUB	Sep24/24	---
6	Student Centre	Sep25/24	---
7	GSB	Sep25/24	---
8	Plaza - Bookstore	Sep25/24	---
9	Cairns	Sep25/24	---
10	Outdoor Bins	Note 1	39.03
11	BRIC	Sep26/24	---
12	Heritage Place Plaza	Sep26/24	0.34
13	Alphie's Trough	Sep27/24	---
14	Tower	Sep27/24	47.88
15	Thistle	Sep27/24	84.38
16	Scotia Bank Hall	Sep27/24	---
17	Burlington Campus	Oct4/24	---
18	Marilyn I Walker School	Jan31/25	9.82
<b>Total Sample:</b>			<b>181.45</b>

Note 1: Sep.27/24 & Jan.31/25

**Table B7: Overall FALL RECYCLE Composition Summary**

Area of Collection:	Office & Admin	Public Areas	Washrooms	Food Services Kitchens	Food Services Dining	Labs	Residences	Unlabelled	Outdoor Bins	Total			
Total Weight of Sample (in kg):	4.39	31.87	0.06	106.10					39.03	181.45			
Total Percent of Sample (in %):	2.4%	17.6%	0.0%	58.5%	0.0%	0.0%	0.0%	0.0%	21.5%	100.0%			
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%			
Total Mixed Containers	PET (#1)	0.33	7.5%	3.93	12.3%	0.00	0.0%	8.39	7.9%	3.59	9.2%	16.24	9.0%
	HDPE (#2)	0.00	0.0%	0.29	0.9%	0.00	0.0%	3.59	3.4%	0.40	1.0%	4.27	2.4%
	PP (#5)	0.11	2.5%	6.83	21.4%	0.00	0.0%	4.66	4.4%	5.29	13.6%	16.89	9.3%
	PS (#6)	0.00	0.0%	0.35	1.1%	0.00	0.0%	2.31	2.2%	1.36	3.5%	4.01	2.2%
	Glass	0.49	11.2%	0.73	2.3%	0.00	0.0%	1.56	1.5%	0.56	1.4%	3.34	1.8%
	Aluminum	0.20	4.6%	1.38	4.3%	0.00	0.0%	5.63	5.3%	2.43	6.2%	9.64	5.3%
	Steel	0.00	0.0%	0.37	1.2%	0.00	0.0%	1.19	1.1%	0.00	0.0%	1.56	0.9%
	Gable Top	0.00	0.0%	1.10	3.5%	0.00	0.0%	13.33	12.6%	0.22	0.6%	14.65	8.1%
	Aseptic	0.00	0.0%	1.37	4.3%	0.00	0.0%	5.41	5.1%	0.18	0.5%	6.96	3.8%
Total Mixed Papers	Fine Paper	1.14	26.0%	1.51	4.7%	0.00	0.0%	4.08	3.8%	1.47	3.8%	8.20	4.5%
	Newsprint	0.00	0.0%	0.69	2.2%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.69	0.4%
	Boxboard	0.66	14.9%	2.92	9.2%	0.06	100.0%	10.75	10.1%	3.82	9.8%	18.21	10.0%
	Other Paper Fibres	0.24	5.4%	3.36	10.5%	0.00	0.0%	7.87	7.4%	2.71	7.0%	14.18	7.8%
Corrugated Cardboard		0.00	0.0%	0.82	2.6%	0.00	0.0%	0.63	0.6%	1.67	4.3%	3.12	1.7%
Coffee Cups		0.00	0.0%	0.40	1.3%	0.00	0.0%	8.43	7.9%	2.57	6.6%	11.40	6.3%
Coffee Pods		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Other Paper Drink Cups		0.00	0.0%	0.00	0.0%	0.00	0.0%	1.07	1.0%	2.22	5.7%	3.28	1.8%
Organic Food Waste		0.00	0.0%	0.48	1.5%	0.00	0.0%	10.04	9.5%	2.79	7.1%	13.30	7.3%
Compostable Fibres		0.00	0.0%	1.59	5.0%	0.00	0.0%	5.13	4.8%	3.66	9.4%	10.38	5.7%
Compostable Dishware		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
LDPE Plastic Films		0.82	18.7%	0.72	2.3%	0.00	0.0%	0.00	0.0%	1.17	3.0%	2.71	1.5%
Styrofoam		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Other Plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Scrap Metal		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Scrap Wood		0.00	0.0%	0.83	2.6%	0.00	0.0%	1.95	1.8%	0.00	0.0%	2.79	1.5%
Textiles		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Shoes/Boots		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Office Supplies (Pens/Markers, etc)		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Take out food packaging		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Food/snack wrappers		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
PPE		0.00	0.0%	0.13	0.4%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.13	0.1%
Gloves		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Single-use plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Lab Plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Lab GLASS		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Ewaste		0.00	0.0%	1.19	3.7%	0.00	0.0%	4.37	4.1%	0.00	0.0%	5.57	3.1%
Bulbs		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Batteries		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Printer Toners		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Non-recyclable		0.41	9.3%	0.86	2.7%	0.00	0.0%	5.71	5.4%	2.92	7.5%	9.90	5.5%
QAQC Check		4.39	100.0%	31.87	100.0%	0.06	100.0%	106.10	100.0%	39.03	100.0%	181.45	100.0%
Total Mixed Containers		1.13	25.7%	16.36	51.3%	0.00	0.0%	46.07	43.4%	14.03	35.9%	77.58	42.8%
Total Mixed Papers		2.03	46.3%	8.48	26.6%	0.06	100.0%	22.70	21.4%	8.00	20.5%	41.28	22.8%
Contamination Rate		1.23	28.0%	6.21	19.5%	0.00	0.0%	36.70	34.6%	15.33	39.3%	59.47	32.8%

**Waste Audit Report**

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**Table B8: ORGANIC FALL Waste Audit Sample Summary**

Audit Location	Audited Building Name	Audit Date	Total Sample kg
1	Walker Complex	Sep24/24	--
2	South Block	Sep24/24	--
3	Harrison Hall/Kenmore Hall	Sep24/24	--
4	Welch Hall	Sep24/24	--
5	CUB	Sep24/24	--
6	Student Centre	Sep25/24	--
7	GSB	Sep25/24	--
8	Plaza - Bookstore	Sep25/24	--
9	Cairns	Sep25/24	--
10	Outdoor Bins	Note 1	--
11	BRIC	Sep26/24	--
12	Heritage Place Plaza	Sep26/24	--
13	Alphie's Trough	Sep27/24	--
14	Tower	Sep27/24	--
15	Thistle	Sep27/24	11.16
16	Scotia Bank Hall	Sep27/24	--
17	Burlington Campus	Oct4/24	--
18	Marilyn I Walker School	Jan31/25	3.40
<b>Total Sample:</b>			<b>14.56</b>

Note 1: Sep.27/24 & Jan.31/25

**Table B9: Overall FALL ORGANIC Composition Summary**

Area of Collection:		Office & Admin		Public Areas		Washrooms		Food Services Kitchens		Food Services Dining		Labs		Residences		Unlabelled		Outdoor Bins		Total	
Total Weight of Sample (in kg):		0.46		2.94				11.16												14.56	
Total Percent of Sample (in %):		3.2%		20.2%		0.0%		76.6%		0.0%		0.0%		0.0%		0.0%		0.0%		100.0%	
Composition of Garbage:		kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1)	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
	HDPE (#2)	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
	PP (#5)	0.00	0.0%	0.01	0.3%			0.00	0.0%											0.01	0.1%
	PS (#6)	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
	Glass	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
	Aluminum	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
	Steel	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
	Gable Top	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
Total Mixed Papers	Aseptic	0.00	0.0%	0.05	1.7%			0.00	0.0%											0.05	0.3%
	Fine Paper	0.00	0.0%	0.01	0.3%			0.00	0.0%											0.01	0.1%
	Newsprint	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%
	Boxboard	0.00	0.0%	0.30	10.2%			0.00	0.0%											0.30	2.1%
	Other Paper Fibres	0.00	0.0%	0.00	0.0%			1.02	9.1%											1.02	7.0%
Corrugated Cardboard	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Coffee Cups	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Coffee Pods	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Other Paper Drink Cups	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Organic Food Waste	0.00	0.0%	0.79	26.9%			10.11	90.6%											10.90	74.9%	
Compostable Fibres	0.46	100.0%	1.78	60.5%			0.00	0.0%											2.24	15.4%	
Compostable Dishware	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
LDPE Plastic Films	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Styrofoam	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Other Plastics	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Scrap Metal	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Scrap Wood	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Textiles	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Shoes/Boots	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Take out food packaging	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Food/snack wrappers	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
PPE	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Gloves	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Single-use plastics	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Lab Plastics	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Lab Glasses	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Ewaste	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Bulbs	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Batteries	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Printer Toners	0.00	0.0%	0.00	0.0%			0.00	0.0%											0.00	0.0%	
Non-recyclable	0.00	0.0%	0.00	0.0%			0.03	0.3%											0.03	0.2%	
QAQC Check	0.46	100.0%	2.94	100.0%			11.16	100.0%											14.56	100.0%	
Total Compostable	0.46	100.0%	2.57	87.4%			10.11	90.6%											13.14	90.2%	
Contamination Rate	0.00	0.0%	0.37	12.6%			1.05	9.4%											1.42	9.8%	

Table B22: Annual Waste Management & Recycling Quantities

Waste Material	Recycled/ Reused, Disposed	Service Provider	Equipment	2010		2011		2012 Total		2013 Total		2014 Total		2015 Total		2016 Total		2017 Total		2018 Total		2019 Total		2020 Total		2021 Total		2022 Total		2023 Total		2024 Total																			
				MT	MT	kg	MT	%	kg	MT	%	kg	MT	%	kg	MT	%	kg	MT	%	kg	MT	%	kg	MT	%	kg	MT	%	kg	MT	%	kg	MT	%																
Waste/Garbage	Disposed	Modern	Front-End Service			786.9	90.6%			483.1	71.7%	473.7	72.6%	473.7	74.0%	493,285	493.28	73.1%	406,020	406.02	75.4%	398,141	398.14	75.0%	428,890	428.89	58.0%	158.08	75.8%	118.73	80.5%	274.41	63.5%	321.22	60.3%	328.79	53.5%														
	Disposed	Modern	Compactor - Tower			81.3	9.4%			124.3	18.5%	126,296	126.30	19.3%	113,760	113.76	17.8%	148,470	148.47	22.0%	100,040	100.04	18.6%	100,040	100.04	18.9%	277,780	277.78	37.5%	30.00	14.4%	9.00	6.1%	128.70	29.8%	179.21	33.7%	113.33	18.4%												
	Disposed	Modern	Compactor - Central Rec.			66.2	9.8%			66.2	9.8%	52,780	52.78	8.1%	52,780	52.78	8.2%	33,112	33.11	4.9%	32,475	32.48	6.0%	32,475	32.48	6.1%	33,110	33.11	4.5%	20.38	9.8%	19.74	13.4%	29.29	6.8%	31.84	6.0%	124.65	20.3%												
	Disposed	Modern	Compactor - Central Plaza																																																
<b>Sub-Total</b>						<b>356.7</b>	<b>470.0</b>	<b>868.2</b>		<b>673.6</b>		<b>652.8</b>		<b>640.3</b>		<b>674.9</b>	<b>32.8%</b>	<b>538.5</b>	<b>35.5%</b>	<b>530.7</b>	<b>26.7%</b>	<b>739.78</b>	<b>30.5%</b>	<b>208.45</b>	<b>25.3%</b>	<b>147.47</b>	<b>16.4%</b>	<b>432.40</b>	<b>33.0%</b>	<b>532.27</b>	<b>38.3%</b>	<b>614.29</b>	<b>40.7%</b>																		
Cardboard	Recycled	Cascades	In-House Baler	331,427	325,588	29.4	2.2%			45.0	3.6%	40.8	3.3%	80,000	80.0	5.7%	70.0	5.1%	65.0	6.6%	72.59	5.0%	66.97	4.0%	17.26	2.8%	34.06	4.5%	63.58	7.2%	69.26	8.1%	58.14	6.5%																	
Cardboard	Recycled	Modern	Refer to Modern Summary, App. A														9.6	0.7%	0.3	0.0%	3.60	0.2%	81.00	4.8%	2.76	0.4%	0.00	0.0%	0.32	0.0%	0.37	0.0%																			
Cardboard (Residence Move-in Week)	Recycled	Modern	Refer to Modern Summary, App. A														9.0	0.7%	0.4	0.0%	0.32	0.0%	56.16	3.3%	38.59	6.3%	0.12	0.0%	0.00	0.0%	0.76	0.1%																			
Mixed Recycling	Recycled	Modern	Refer to Modern Summary, App. A														144.0	10.4%	169,920	169.9	17.3%	185.41	12.7%	132,706.22	132.71	7.9%	0.00	0.0%	0.00	0.0%	325.07	37.9%																			
Mixed Recycling (Move In/Out)	Recycled	Modern	Refer to Modern Summary, App. A														15.1	1.1%	0.0	0.0%	0.00	0.0%	14.69	0.9%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%																			
Mixed Containers	Recycled	Niagara Recycling/Modern	Various, Note 2	210.6	189,701	201.1	15.3%			208.7	16.5%	207,118	207.1	16.6%	224,251.5	224.3	16.1%	164,580	164.6	11.9%	0	0.0%	164,580	164.58	11.3%	196,742.91	196.74	11.6%	65.87	10.7%	52.12	6.9%	77.67	8.9%	19.43	2.3%															
Mixed Papers	Recycled	Niagara Recycling/Modern	Various, Note 2	302,405	335,895	603.4	45.8%			546.3	43.1%	515,884	515.9	41.2%	579,907.6	579.9	41.6%	414,000	414.0	29.9%	186,479	186.5	19.0%	414,000	414.00	28.4%	503,390.03	503.39	29.8%	235.17	38.3%	196.94	26.2%	205.54	23.4%	46.62	5.4%														
Confidential Papers	Recycled	Niagara Recycling	Varies			75,503	7.5%			47,303	4.7%	49,972	50.0	4.0%	45,939	45.9	3.3%	44,587	44.6	3.2%	50,612	50.6	5.2%	50.63	3.5%	42,970.24	42.97	2.5%	11.08	1.8%	65.64	8.7%	38.89	4.4%	14.21	1.7%	9.90	1.1%													
Scrap Metals	Recycled	Ram Iron & Metal	Lugger Box	45,553	33,847	23,855	23.9	1.8%	12,482	12.5	1.0%	13,418	13.4	1.1%	19,936	19.9	1.4%	17,791	17.8	1.3%	34,400	34.4	3.5%	60,150	60.15	4.1%	39,469.41	39.47	2.3%	10.18	1.7%	2020.00	2.02	0.3%	32,536.36	32.54	3.7%	45,314.00	45.31	5.3%	34.89	3.9%									
Organics	Recycled	Davidson Env.	32 & 64 Gallon Totes, Note 3, Note 5	445,032	351,019	314,031	314.0	23.9%	208,680	208.7	23.8%	280,703	280.7	22.4%	298,742	298.7	21.5%	322,518	322.5	23.3%	260,400	260.4	26.6%	275,820	275.82	18.9%	301,920.00	301.92	17.9%	102.01	16.6%	67.26	9.0%	156.48	17.8%	198.97	23.2%	287,555.00	287.56	32.1%											
Coffee Cups	Recycled	Davidson Env.	Bagged			860	0.9	0.1%	860	0.9	0.1%	860	0.9	0.1%	860	0.9	0.1%	860	0.9	0.1%	860	0.9	0.1%	860	0.86	0.1%	1,290.00	1.29	0.1%	0.33	0.1%	0.22	0.0%	0.51	0.1%	0.63	0.1%														
Oil & Grease	Recycled	Rothsay	Totes			9.2	7.569	7.6	0.6%	15,558	15.6	1.2%	15,699	15.7	1.3%	4,149	4.1	0.3%	10,628	10.6	0.8%	11,436	11.4	1.2%	10,048	10.05	0.7%	5,588.00	5.59	0.3%	1.44	0.2%	1,638.00	1.64	0.2%	590.91	0.59	0.1%	3,768.64	3.77	0.4%	909.09	0.91	0.1%							
Bulbs & Ballasts	Recycled	Aevitas	Totes			4,142	2,751	2.8	0.2%	10,988	11.0	0.9%	1,689	1.7	0.1%	996	1.0	0.1%	1,275	1.3	0.1%	1,800	1.8	0.2%	1,760	1.76	0.1%	1,825.00	1.83	0.1%	0.47	0.1%	1,620.00	1.62	0.2%	892.00	0.89	0.1%	1,95.00	0.20	0.0%	1,965.00	1.97	0.2%							
Ewastes	Recycled	GreenTec	Varies	8,167	8,167	8.2	0.6%	9,635	9.6	0.8%	18,157	18.2	1.5%	11,640	11.6	0.9%	19,156	19.2	1.4%	14,542	14.5	1.5%	15,562	15.56	1.1%	29,936.86	29.94	1.8%	6405.00	6.41	1.0%	11,504.09	11.50	1.5%	10,096.36	10.10	1.2%	16,234.55	16.23	1.9%	13,107.27	13.11	1.5%								
Ewastes (Residence Move out week)	Recycled	Niagara Ewastes	Varies			1,273	1.3	0.1%	1,727	1.7	0.1%	Note 4		0.0%	0	0.0%																																			
Batteries	Recycled	E360	Varies			867	0.9	0.1%	550	0.5	0.0%	2,409	2.4	0.2%	1,582	1.6	0.1%	4,413	4.4	0.3%	2,183	2.2	0.2%	1,169	1.17	0.1%	964.00	0.96	0.1%	0.25	0.0%	816.00	0.82	0.1%	1,241.00	1.24	0.1%	1,439.00	1.44	0.2%	2,204.09	2.20	0.2%								
Yard Wastes	Recycled	Landscaper/in-house	40 yd roll-offs			18,545	18.5	1.4%	25,000	25.0	2.0%	25,000	25.0	2.0%	25,000	25.0	1.8%	25,000	25.0	1.8%	25,000	25.0	2.6%	25,000	25.00	1.5%	25,000.00	25.00	1.5%	25,000.00	25.00	4.1%	25,000.00	25.00	3.3%	25,000.00	25.00	2.8%	25,000.00	25.00	2.9%	25.00	2.8%								
Yard Wastes - Brush	Recycled	Modern	Refer to Modern Summary, App. A														22.8	1.6%	48,580	48.6	5.0%	75,600	75.60	5.2%	29,990.00	29.99	1.8%	48.60	7.9%	43.20	5.8%	4.80	0.5%	15.88	1.9%	29.61	3.3%														
Scrap Wood	Recycled																0.0	0.0%	0.00	0.0%	0	0.00	0.0%	0.00	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			
Text Books - Donated/Recycled	Recycled																686	0.7	0.0%	7,882	7.9	0.6%	7,882	7.88	0.5%																										
Construction	Recycled	Modern	Refer to Modern Summary, App. A																																																
Wood Pallets	Reused			10.25	10.25	8,100	8.1	0.6%	8,100	8.1	0.6%	8,100	8.1	0.6%	8,100	8.1	0.6%	8,100	8.1	0.6%	8,100	8.1	0.6%	8,100	8.10	0.6%	8,100.00	8.10	0.5%	2.09	0.3%	234.80	31.3%	237.44	27.1%	43.01	5.0%	44.42	5.0%												
Printer Toners	Reused	Suppliers/Green Tec				1,173	1.2	0.1%	1,225	1.2	0.1%	Note 4		0.0%	1,225	1.2	0.1%	1,225	1.2	0.1%	1,225	1.2	0.1%	1,225	1.23	0.1%	1,585.00	1.59	0.1%	0.41	0.1%	33.18	0.03	0.0%	33.18	0.03	0.0%	33.18	0.03	0.0%	270.45	0.27	0.0%								
Ewastes	Reused	In-house program															5,272	5.3	0.3%	3,582	3.58	0.3%	8,506.00	8.51	0.5%	2.19	0.4%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%		
Used Furniture/Equipment	Reused	In-house program	8-10 5-ton trucks			20.0	1.5%			20.0	1.6%	22,819	22.8	1.8%	22,819	22.8	1.6%	22,919	22.9	1.7%	22,919	2																													

**Waste Audit Report**

Brock University  
WRG Project P1471

**Table B23: Waste Management - Trash Disposal Summary**

Location	Bin Size (Yd3)					Comments
	8	6	4	3	2	
NORTH RESIDENCE						Per Modern Pick-Up Summary
HARRISON HALL & POLICE BUILDING					12	Per Modern Pick-Up Summary
BRIARWOOD HAMILTON CAMPUS						Per Modern Pick-Up Summary
EARP RESIDENCE	144					Per Modern Pick-Up Summary
EARP RESIDENCE - Move In/Out						Per Modern Pick-Up Summary
QUARRY VIEW RESIDENCE (SOUTH)			274			Per Modern Pick-Up Summary
QUARRY VIEW RESIDENCE (SOUTH) - Move In/Out						Per Modern Pick-Up Summary
QUARRY VIEW RESIDENCE (NORTH)			76			Per Modern Pick-Up Summary
RODMAN HALL						Per Modern Pick-Up Summary
LOWENBERG RESIDENCE		240				Per Modern Pick-Up Summary
LOWENBERG RESIDENCE - Move In/Out						Per Modern Pick-Up Summary
VILLAGE RESIDENCE		432				Per Modern Pick-Up Summary
VILLAGE RESIDENCE - Move In/Out						Per Modern Pick-Up Summary
WALKER WEST - PHYS ED	208					Per Modern Pick-Up Summary
CUB		51				Per Modern Pick-Up Summary
FACULTY CLUB						Per Modern Pick-Up Summary
DAY CARE					25	Per Modern Pick-Up Summary
DECEW CAFE		198				Per Modern Pick-Up Summary
DECEW RESIDENCE						Per Modern Pick-Up Summary
JOHN DECEW SCHOOL						Per Modern Pick-Up Summary
NORTH RESIDENCE	140					
WELCH HALL	51					Per Modern Pick-Up Summary
TARO STUDENT CENTRE						Per Modern Pick-Up Summary
573 GLENRIDGE						Per Modern Pick-Up Summary
BRIC						Per Modern Pick-Up Summary
BROCK RESEARCH & INNOVATION					9	
BROCK PLAZA			25			Per Modern Pick-Up Summary
MARILYN WALKER SCHOOL					106	Per Modern Pick-Up Summary
VALLEE RESIDENCE						
INTERNATIONAL BUILDING			49			Per Modern Pick-Up Summary
CAIRNS FAMILY HEALTH		87				Per Modern Pick-Up Summary
Total # Pick Ups per year	543	1008	424	0	152	2127
Sub-Total (Yd3/yr)	4344	6048	1696	0	304	12392
Garbage Density (kg/Yd3)						26.53
Total Front End Service (kg/yr)						328785.8
Total Front End Service (MT/yr)						328.79
8 CY Compactor - Central Rec. (MT)						124.65
8 CY Plaza Bookstore (MT)						47.52
35 CY Compactor - Tower (MT)						113.33
Burlington Campus Service (MT)						Per BrockU Summary
Total Combined (MT)						614.29

## Waste Audit Report

Brock University

WRG Project P1471

**Table B24: Waste Management & Recycling - Trash Disposal Summary**

Location	Bin Size Yd3	Material Type	April 2014		Summer 2014	
			Volume Yd3	Weight kg	Volume Yd3	Weight kg
Kenmore/Harrison Hall	4	Trash	4		4	
Sean O'Sullivan Theatre	4	Trash	4		4	
Walker West	8	Trash	8		8	
Alphie's Trough	4	Trash	4			
CUB	6	Trash	6		6	
Plaza- Book Store	8	Trash	8		8	
Taro/Student Centre	8	Trash	8		8	
International Building	6	Trash	6		6	
573 Glenridge	6	Trash	6		6	
East Academic	6	Trash	6		6	
Captain John Decew	4	Trash	2		2	
Rodman Hall	3	Trash	3		3	
Hamilton Campus	8	Trash	8		8	
Cairns	8	Trash	8		8	
Welch Hall	6	Trash	6		6	
Daycare	4	Trash	4		4	
Earp Residence	6	Trash	6		6	
QuarryView South	8	Trash	8		8	
QuarryView North	8	Trash	8		8	
Lowenberger	6	Trash	6		3	
Lowenberger	6	Trash	6		3	
Lowenberger	6	Trash	6		3	
Village	8	Trash	8		4	
Village	8	Trash	8		4	
Decew North Residence	8	Trash	8		4	
Decew North Residence	8	Trash	8		8	
Decew Café	8	Trash	8		8	
<b>Total</b>	<b>173</b>		<b>171</b>	<b>5100</b>	<b>146</b>	<b>3890</b>
Density (kg/yd3)				29.82		26.64
Average Density (kg/yd3)			Note 1	28.23		
Average Density (kg/yd3)			Note 2	24.83		
<b>Average Density (kg/yd3)</b>			<b>Note 3</b>	<b>26.53</b>		

Note 1: Avg of April & Summer density studies. Includes utilization rate. Not all bins full during pick-up run.

Note 2: Avg Density from 2013 Waste Audit Report.

Note 3: Avg Density from 2013 and 2014 Density Studies.

**Waste Audit Report**

Brock University  
WRG Project P1471

Client: Brock U  
Job Site: Walker Complex **GARBAGE**  
Date: Sep24/24

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total		
Colour Code																	
Total Weight of Sample (in kg):	2.19		26.64		12.35		6.36		10.17						57.71		
Total Percent of Sample (in %):	3.8%		46.2%		21.4%		11.0%		17.6%						100.0%		
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	
Total Mixed Containers	PET (#1)	0.04	1.8%	1.43	5.4%	0.01	0.1%	0.15	2.4%	0.68	6.7%				2.31	4.0%	
	HDPE (#2)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.02	0.3%	0.00	0.0%				0.02	0.0%	
	PP (#5)	0.01	0.5%	1.82	6.8%	0.00	0.0%	0.00	0.0%	0.44	4.3%				2.27	3.9%	
	PS (#6)	0.00	0.0%	0.26	1.0%	0.00	0.0%	0.00	0.0%	0.20	2.0%				0.46	0.8%	
	Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
	Aluminum	0.10	4.6%	0.34	1.3%	0.02	0.2%	0.02	0.3%	0.00	0.0%				0.48	0.8%	
	Steel	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.14	2.2%	0.00	0.0%				0.14	0.2%	
	Gable Top	0.00	0.0%	0.13	0.5%	0.00	0.0%	0.04	0.6%	0.24	2.4%				0.41	0.7%	
	Aseptic	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.04	0.6%	0.00	0.0%				0.04	0.1%	
Total Mixed Papers	Fine Paper	0.24	11.0%	0.28	1.1%	0.00	0.0%	0.37	5.8%	0.10	1.0%				0.99	1.7%	
	Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
	Boxboard	0.46	21.0%	4.13	15.5%	0.06	0.5%	0.49	7.7%	2.30	22.6%				7.44	12.9%	
	Other Paper Fibres	0.14	6.4%	1.79	6.7%	0.01	0.1%	0.37	5.8%	0.00	0.0%				2.31	4.0%	
Corrugated Cardboard		0.00	0.0%	0.92	3.5%	0.00	0.0%	0.15	2.4%	0.71	7.0%				1.78	3.1%	
Coffee Cups		0.22	10.0%	2.48	9.3%	0.06	0.5%	0.75	11.8%	1.39	13.7%				4.90	8.5%	
Coffee Pods		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Other Paper Drink Cups		0.10	4.6%	1.29	4.8%	0.00	0.0%	0.00	0.0%	0.51	5.0%				1.90	3.3%	
Organic Food Waste		0.18	8.2%	5.26	19.7%	0.00	0.0%	0.95	14.9%	1.67	16.4%				8.06	14.0%	
Compostable Fibres		0.30	13.7%	2.49	9.3%	12.12	98.1%	1.88	29.6%	0.45	4.4%				17.24	29.9%	
Compostable Dishware		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
LDPE Plastic Films		0.02	0.9%	0.75	2.8%	0.00	0.0%	0.15	2.4%	0.23	2.3%				1.15	2.0%	
Styrofoam		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Other Plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Scrap Metal		0.11	5.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.11	0.2%	
Scrap Wood		0.00	0.0%	0.18	0.7%	0.00	0.0%	0.00	0.0%	0.33	3.2%				0.51	0.9%	
Textiles		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Shoes/Boots		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Office Supplies (Pens/Markers, etc)		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Take out food packaging		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Food/snack wrappers		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
PPE		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.16	2.5%	0.00	0.0%				0.16	0.3%	
Gloves		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Single-use plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Lab Plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Lab GLasss		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Ewaste		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Bulbs		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Batteries		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Printer Toners		0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%				0.00	0.0%	
Non-recyclable		0.27	12.3%	3.09	11.6%	0.07	0.6%	0.68	10.7%	0.92	9.0%				5.03	8.7%	
<b>Total QAQC Check</b>		<b>2.19</b>	<b>100.0%</b>	<b>26.64</b>	<b>100.0%</b>	<b>12.35</b>	<b>100.0%</b>	<b>6.36</b>	<b>100.0%</b>	<b>10.17</b>	<b>100.0%</b>	<b>0.00</b>	<b>0.0%</b>	<b>0.00</b>	<b>0.0%</b>	<b>57.71</b>	<b>100.0%</b>
Total Mixed Containers		0.15	6.8%	3.98	14.9%	0.03	0.2%	0.41	6.4%	1.56	15.3%				6.13	10.6%	
Total Mixed Papers		0.84	38.4%	6.20	23.3%	0.07	0.6%	1.23	19.3%	2.40	23.6%				10.74	18.6%	

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: South Block **GARBAGE**  
 Date: Sep24/24

Area of Collection:		Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
Colour Code																	
Total Weight of Sample (in kg):		3.87		3.07		15.24		30.58								52.76	
Total Percent of Sample (in %):		7.3%		5.8%		28.9%		58.0%								100.0%	
Composition of Garbage:		kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1)	0.35	9.0%	0.06	2.0%	0.10	0.7%	1.29	4.2%							1.80	3.4%
	HDPE (#2)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
	PP (#5)	0.55	14.2%	0.11	3.6%	0.06	0.4%	1.53	5.0%							2.25	4.3%
	PS (#6)	0.08	2.1%	0.01	0.3%	0.01	0.1%	0.56	1.8%							0.66	1.3%
	Glass	0.00	0.0%	0.00	0.0%	0.06	0.4%	0.00	0.0%							0.06	0.1%
	Aluminum	0.00	0.0%	0.02	0.7%	0.10	0.7%	0.28	0.9%							0.40	0.8%
	Steel	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
	Gable Top	0.00	0.0%	0.14	4.6%	0.04	0.3%	0.18	0.6%							0.36	0.7%
Aseptic	0.00	0.0%	0.05	1.6%	0.00	0.0%	0.04	0.1%							0.09	0.2%	
Total Mixed Papers	Fine Paper	0.77	19.9%	0.18	5.9%	0.15	1.0%	0.26	0.9%							1.36	2.6%
	Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
	Boxboard	0.10	2.6%	0.31	10.1%	0.26	1.7%	3.62	11.8%							4.29	8.1%
	Other Paper Fibres	0.60	15.5%	0.22	7.2%	0.03	0.2%	1.99	6.5%							2.84	5.4%
Corrugated Cardboard	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Coffee Cups	0.43	11.1%	0.27	8.8%	0.14	0.9%	4.78	15.6%							5.62	10.7%	
Coffee Pods	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Other Paper Drink Cups	0.10	2.6%	0.16	5.2%	0.17	1.1%	1.83	6.0%							2.26	4.3%	
Organic Food Waste	0.28	7.2%	0.63	20.5%	0.27	1.8%	7.17	23.4%							8.35	15.8%	
Compostable Fibres	0.20	5.2%	0.55	17.9%	13.39	87.9%	4.27	14.0%							18.41	34.9%	
Compostable Dishware	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
LDPE Plastic Films	0.23	5.9%	0.12	3.9%	0.08	0.5%	0.70	2.3%							1.13	2.1%	
Styrofoam	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Other Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Scrap Metal	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Scrap Wood	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Textiles	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Shoes/Boots	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Take out food packaging	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Food/snack wrappers	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
PPE	0.00	0.0%	0.00	0.0%	0.13	0.9%	0.00	0.0%							0.13	0.2%	
Gloves	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Single-use plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Lab Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Lab GLasss	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Ewaste	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Bulbs	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Batteries	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Printer Toners	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%	
Non-recyclable	0.18	4.7%	0.24	7.8%	0.25	1.6%	2.08	6.8%							2.75	5.2%	
Total QAQC Check		3.87	100.0%	3.07	100.0%	15.24	100.0%	30.58	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	52.76	100.0%
Total Mixed Containers		0.98	25.3%	0.39	12.7%	0.37	2.4%	3.88	12.7%							5.62	10.7%
Total Mixed Papers		1.47	38.0%	0.71	23.1%	0.44	2.9%	5.87	19.2%							8.49	16.1%



**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: Welch Hall  
 Date: Sep24/24

**GARBAGE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
Colour Code																
Total Weight of Sample (in kg):	21.35		9.29		7.08		8.66		4.19						50.57	
Total Percent of Sample (in %):	0.0%		42.2%		18.4%		14.0%		17.1%		8.3%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers																
PET (#1)	0.92	4.3%	0.07	0.8%	0.00	0.0%	0.00	0.0%	0.01	0.2%			1.00	2.0%		
HDPE (#2)	0.00	0.0%	0.03	0.3%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.03	0.1%		
PP (#5)	1.11	5.2%	0.08	0.9%	0.00	0.0%	0.43	5.0%	0.03	0.7%			1.65	3.3%		
PS (#6)	0.14	0.7%	0.00	0.0%	0.00	0.0%	0.15	1.7%	0.00	0.0%			0.29	0.6%		
Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.12	1.4%	0.00	0.0%			0.12	0.2%		
Aluminum	0.35	1.6%	0.02	0.2%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.37	0.7%		
Steel	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Gable Top	0.06	0.3%	0.00	0.0%	0.00	0.0%	0.63	7.3%	0.00	0.0%			0.69	1.4%		
Aseptic	0.10	0.5%	0.00	0.0%	0.06	0.8%	0.00	0.0%	0.00	0.0%			0.16	0.3%		
Total Mixed Papers																
Fine Paper	0.84	3.9%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.26	6.2%			1.10	2.2%		
Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Boxboard	1.09	5.1%	0.22	2.4%	0.00	0.0%	1.90	21.9%	0.09	2.1%			3.30	6.5%		
Other Paper Fibres	1.35	6.3%	0.00	0.0%	0.00	0.0%	1.06	12.2%	0.19	4.5%			2.60	5.1%		
Corrugated Cardboard	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Coffee Cups	2.72	12.7%	0.04	0.4%	0.00	0.0%	2.35	27.1%	0.62	14.8%			5.73	11.3%		
Coffee Pods	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Other Paper Drink Cups	2.00	9.4%	0.00	0.0%	0.59	8.3%	0.61	7.0%	0.07	1.7%			3.27	6.5%		
Organic Food Waste	6.92	32.4%	0.00	0.0%	1.96	27.7%	0.00	0.0%	0.00	0.0%			8.88	17.6%		
Compostable Fibres	2.39	11.2%	7.79	83.9%	0.64	9.0%	0.00	0.0%	2.06	49.2%			12.88	25.5%		
Compostable Dishware	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
LDPE Plastic Films	0.64	3.0%	0.02	0.2%	2.18	30.8%	0.40	4.6%	0.18	4.3%			3.42	6.8%		
Styrofoam	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Other Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Scrap Metal	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Scrap Wood	0.00	0.0%	0.00	0.0%	0.20	2.8%	0.18	2.1%	0.00	0.0%			0.38	0.8%		
Textiles	0.08	0.4%	0.34	3.7%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.42	0.8%		
Shoes/Boots	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Take out food packaging	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Food/snack wrappers	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
PPE	0.00	0.0%	0.23	2.5%	1.45	20.5%	0.00	0.0%	0.16	3.8%			1.84	3.6%		
Gloves	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Single-use plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Lab Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Lab GLasss	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Ewaste	0.14	0.7%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.14	0.3%		
Bulbs	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Batteries	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Printer Toners	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Non-recyclable	0.50	2.3%	0.45	4.8%	0.00	0.0%	0.83	9.6%	0.52	12.4%			2.30	4.5%		
Total QAQC Check	0.00	0.0%	21.35	100.0%	9.29	100.0%	7.08	100.0%	8.66	100.0%	4.19	100.0%	0.00	0.0%	50.57	100.0%
Total Mixed Containers	2.68	12.6%	0.20	2.2%	0.06	0.8%	1.33	15.4%	0.04	1.0%			4.31	8.5%		
Total Mixed Papers	3.28	15.4%	0.22	2.4%	0.00	0.0%	2.96	34.2%	0.54	12.9%			7.00	13.8%		

**RECYCLE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Residences		Total	
Colour Code																
Total Weight of Sample (in kg):	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers																
PET (#1)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
HDPE (#2)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
PP (#5)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
PS (#6)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Aluminum	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Steel	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Gable Top	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Aseptic	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Total Mixed Papers																
Fine Paper	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Boxboard	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Other Paper Fibres	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Corrugated Cardboard	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Coffee Cups	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Coffee Pods	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Other Paper Drink Cups	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Organic Food Waste	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Compostable Fibres	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Compostable Dishware	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
LDPE Plastic Films	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Styrofoam	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Other Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Scrap Metal	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Scrap Wood	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Textiles	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Shoes/Boots	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%		
Office Supplies (Pens/Markers, etc)																

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: CUB  
 Date: Sep24/24

**GARBAGE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%		
Colour Code																
Total Weight of Sample (in kg):			2.28		1.26		0.56								4.10	
Total Percent of Sample (in %):	0.0%		55.6%		30.7%		13.7%		0.0%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
PET (#1)			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
HDPE (#2)			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
PP (#5)			0.02	0.9%	0.00	0.0%	0.00	0.0%							0.02	0.5%
PS (#6)			0.05	2.2%	0.00	0.0%	0.03	5.4%							0.08	2.0%
Glass			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Aluminum			0.28	12.3%	0.00	0.0%	0.00	0.0%							0.28	6.8%
Steel			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Gable Top			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Aseptic			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Total Mixed Papers			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Fine Paper			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Newsprint			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Boxboard			0.12	5.3%	0.01	0.8%	0.04	7.1%							0.17	4.1%
Other Paper Fibres			0.15	6.6%	0.00	0.0%	0.00	0.0%							0.15	3.7%
Corrugated Cardboard			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Coffee Cups			0.06	2.6%	0.00	0.0%	0.00	0.0%							0.06	1.5%
Coffee Pods			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Other Paper Drink Cups			0.02	0.9%	0.00	0.0%	0.02	3.6%							0.04	1.0%
Organic Food Waste			0.25	11.0%	0.00	0.0%	0.05	8.9%							0.30	7.3%
Compostable Fibres			0.44	19.3%	1.07	84.9%	0.12	21.4%							1.63	39.8%
Compostable Dishware			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
LDPE Plastic Films			0.03	1.3%	0.00	0.0%	0.00	0.0%							0.03	0.7%
Styrofoam			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Other Plastics			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Scrap Metal			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Scrap Wood			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Textiles			0.29	12.7%	0.00	0.0%	0.00	0.0%							0.29	7.1%
Shoes/Boots			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Office Supplies (Pens/Markers, etc)			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Take out food packaging			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Food/snack wrappers			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
PPE			0.00	0.0%	0.06	4.8%	0.01	1.8%							0.07	1.7%
Gloves			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Single-use plastics			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Lab Plastics			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Lab GLass			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Ewaste			0.16	7.0%	0.00	0.0%	0.00	0.0%							0.16	3.9%
Bulbs			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Batteries			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Printer Toners			0.00	0.0%	0.00	0.0%	0.00	0.0%							0.00	0.0%
Non-recyclable			0.41	18.0%	0.12	9.5%	0.29	51.8%							0.82	20.0%
Total QAQC Check	0.00	0.0%	2.28	100.0%	1.26	100.0%	0.56	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	4.10	100.0%
Total Mixed Containers			0.35	15.4%	0.00	0.0%	0.03	5.4%							0.38	9.3%
Total Mixed Papers			0.27	11.8%	0.01	0.8%	0.04	7.1%							0.32	7.8%

**RECYCLE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Residences		Total	
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%		
Colour Code																
Total Weight of Sample (in kg):															0.00	
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers															0.00	#DIV/0!
PET (#1)															0.00	#DIV/0!
HDPE (#2)															0.00	#DIV/0!
PP (#5)															0.00	#DIV/0!
PS (#6)															0.00	#DIV/0!
Glass															0.00	#DIV/0!
Aluminum															0.00	#DIV/0!
Steel															0.00	#DIV/0!
Gable Top															0.00	#DIV/0!
Aseptic															0.00	#DIV/0!
Total Mixed Papers															0.00	#DIV/0!
Fine Paper															0.00	#DIV/0!
Newsprint															0.00	#DIV/0!
Boxboard															0.00	#DIV/0!
Other Paper Fibres															0.00	#DIV/0!
Corrugated Cardboard															0.00	#DIV/0!
Coffee Cups															0.00	#DIV/0!
Coffee Pods															0.00	#DIV/0!
Other Paper Drink Cups															0.00	#DIV/0!
Organic Food Waste															0.00	#DIV/0!
Compostable Fibres															0.00	#DIV/0!
Compostable Dishware															0.00	#DIV/0!
LDPE Plastic Films															0.00	#DIV/0!
Styrofoam															0.00	#DIV/0!
Other Plastics															0.00	#DIV/0!
Scrap Metal															0.00	#DIV/0!
Scrap Wood															0.00	#DIV/0!
Textiles															0.00	#DIV/0!
Shoes/Boots															0.00	#DIV/0!
Office Supplies (Pens/Markers, etc)															0.00	#DIV/0!
Take out food packaging															0.00	#DIV/0!
Food/snack wrappers															0.00	#DIV/0!
PPE															0.00	#DIV/0!
Gloves															0.00	#DIV/0!
Single-use plastics															0.00	#DIV/0!
Lab Plastics															0.00	#DIV/0!
Lab GLass															0.00	#DIV/0!
Ewaste															0.00	#DIV/0!
Bulbs															0.00	#DIV/0!
Batteries															0.00	#DIV/0!
Printer Toners															0.00	#DIV/0!
Non-recyclable															0.00	#DIV/0!
Total QAQC Check	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	#DIV/0!
Total Mixed Containers															0.00	#DIV/0!
Total Mixed Papers															0.00	#DIV/0!

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: Student Centre **GARBAGE**  
 Date: Sep25/24

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
Colour Code																
Total Weight of Sample (in kg):			5.65		1.27										6.92	
Total Percent of Sample (in %):	0.0%		81.6%		18.4%		0.0%		0.0%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers			0.21	3.7%	0.01	0.8%							0.22	3.2%		
PET (#1)			0.00	0.0%	0.00	0.0%							0.00	0.0%		
HDPE (#2)			0.29	5.1%	0.01	0.8%							0.30	4.3%		
PP (#5)			0.12	2.1%	0.00	0.0%							0.12	1.7%		
PS (#6)			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Glass			0.06	1.1%	0.00	0.0%							0.06	0.9%		
Aluminum			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Steel			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Gable Top			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Aseptic			0.04	0.7%	0.00	0.0%							0.04	0.6%		
Total Mixed Papers			0.10	1.8%	0.00	0.0%							0.10	1.4%		
Fine Paper			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Newsprint			0.88	15.6%	0.05	3.9%							0.93	13.4%		
Boxboard			0.94	16.6%	0.13	10.2%							1.07	15.5%		
Other Paper Fibres			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Corrugated Cardboard			0.08	1.4%	0.00	0.0%							0.08	1.2%		
Coffee Cups			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Coffee Pods			0.32	5.7%	0.00	0.0%							0.32	4.6%		
Other Paper Drink Cups			0.41	7.3%	0.00	0.0%							0.41	5.9%		
Organic Food Waste			1.01	17.9%	0.94	74.0%							1.95	28.2%		
Compostable Fibres			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Compostable Dishware			0.00	0.0%	0.00	0.0%							0.00	0.0%		
LDPE Plastic Films			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Styrofoam			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Other Plastics			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Scrap Metal			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Scrap Wood			0.10	1.8%	0.00	0.0%							0.10	1.4%		
Textiles			0.02	0.4%	0.00	0.0%							0.02	0.3%		
Shoes/Boots			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Office Supplies (Pens/Markers, etc)			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Take out food packaging			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Food/snack wrappers			0.17	3.0%	0.03	2.4%							0.20	2.9%		
PPE			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Gloves			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Single-use plastics			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Lab Plastics			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Lab GLasss			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Ewaste			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Bulbs			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Batteries			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Printer Toners			0.00	0.0%	0.00	0.0%							0.00	0.0%		
Non-recyclable			0.90	15.9%	0.10	7.9%							1.00	14.5%		
<b>Total QAQC Check</b>	0.00	0.0%	5.65	100.0%	1.27	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	6.92	100.0%
Total Mixed Containers			0.72	12.7%	0.02	1.6%							0.74	10.7%		
Total Mixed Papers			1.92	34.0%	0.18	14.2%							2.10	30.3%		

**RECYCLE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Residences		Total	
Colour Code																
Total Weight of Sample (in kg):															0.00	
Total Percent of Sample (in %):	0.0%		#DIV/0!		0.0%		0.0%		0.0%		0.0%		0.0%		#DIV/0!	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers															0.00	#DIV/0!
PET (#1)															0.00	#DIV/0!
HDPE (#2)															0.00	#DIV/0!
PP (#5)															0.00	#DIV/0!
PS (#6)															0.00	#DIV/0!
Glass															0.00	#DIV/0!
Aluminum															0.00	#DIV/0!
Steel															0.00	#DIV/0!
Gable Top															0.00	#DIV/0!
Aseptic															0.00	#DIV/0!
Total Mixed Papers															0.00	#DIV/0!
Fine Paper															0.00	#DIV/0!
Newsprint															0.00	#DIV/0!
Boxboard															0.00	#DIV/0!
Other Paper Fibres															0.00	#DIV/0!
Corrugated Cardboard															0.00	#DIV/0!
Coffee Cups															0.00	#DIV/0!
Coffee Pods															0.00	#DIV/0!
Other Paper Drink Cups															0.00	#DIV/0!
Organic Food Waste															0.00	#DIV/0!
Compostable Fibres															0.00	#DIV/0!
Compostable Dishware															0.00	#DIV/0!
LDPE Plastic Films															0.00	#DIV/0!
Styrofoam															0.00	#DIV/0!
Other Plastics															0.00	#DIV/0!
Scrap Metal															0.00	#DIV/0!
Scrap Wood															0.00	#DIV/0!
Textiles															0.00	#DIV/0!
Shoes/Boots															0.00	#DIV/0!
Office Supplies (Pens/Markers, etc)															0.00	#DIV/0!
Take out food packaging															0.00	#DIV/0!
Food/snack wrappers															0.00	#DIV/0!
PPE															0.00	#DIV/0!
Gloves															0.00	#DIV/0!
Single-use plastics															0.00	#DIV/0!
Lab Plastics															0.00	#DIV/0!
Lab GLasss															0.00	#DIV/0!
Ewaste															0.00	#DIV/0!
Bulbs															0.00	#DIV/0!
Batteries															0.00	#DIV/0!
Printer Toners															0.00	#DIV/0!
Non-recyclable															0.00	#DIV/0!
<b>Total QAQC Check</b>	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	#DIV/0!
Total Mixed Containers															0.00	#DIV/0!
Total Mixed Papers															0.00	#DIV/0!

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: GSB  
 Date: Sep25/24

**GARBAGE**

Area of Collection:		Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
Colour Code																	
Total Weight of Sample (in kg):		2.39		15.29												17.68	
Total Percent of Sample (in %):		13.5%		86.5%		0.0%		0.0%		0.0%		0.0%		0.0%		100.0%	
Composition of Garbage:		kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1)	0.10	4.2%	0.75	4.9%											0.85	4.8%
	HDPE (#2)	0.00	0.0%	0.00	0.0%											0.00	0.0%
	PP (#5)	0.07	2.9%	0.85	5.6%											0.92	5.2%
	PS (#6)	0.06	2.5%	0.18	1.2%											0.24	1.4%
	Glass	0.00	0.0%	0.00	0.0%											0.00	0.0%
	Aluminum	0.00	0.0%	0.24	1.6%											0.24	1.4%
	Steel	0.00	0.0%	0.00	0.0%											0.00	0.0%
	Gable Top	0.00	0.0%	0.00	0.0%											0.00	0.0%
Aseptic	0.02	0.8%	0.00	0.0%											0.02	0.1%	
Total Mixed Papers	Fine Paper	0.00	0.0%	0.52	3.4%											0.52	2.9%
	Newsprint	0.00	0.0%	0.00	0.0%											0.00	0.0%
	Boxboard	0.32	13.4%	2.06	13.5%											2.38	13.5%
	Other Paper Fibres	0.36	15.1%	1.25	8.2%											1.61	9.1%
Corrugated Cardboard	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Coffee Cups	0.09	3.8%	0.85	5.6%											0.94	5.3%	
Coffee Pods	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Other Paper Drink Cups	0.23	9.6%	0.94	6.1%											1.17	6.6%	
Organic Food Waste	0.12	5.0%	0.74	4.8%											0.86	4.9%	
Compostable Fibres	0.73	30.5%	4.55	29.8%											5.28	29.9%	
Compostable Dishware	0.00	0.0%	0.00	0.0%											0.00	0.0%	
LDPE Plastic Films	0.02	0.8%	0.06	0.4%											0.08	0.5%	
Styrofoam	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Other Plastics	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Scrap Metal	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Scrap Wood	0.00	0.0%	0.33	2.2%											0.33	1.9%	
Textiles	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Shoes/Boots	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Take out food packaging	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Food/snack wrappers	0.00	0.0%	0.00	0.0%											0.00	0.0%	
PPE	0.00	0.0%	0.27	1.8%											0.27	1.5%	
Gloves	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Single-use plastics	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Lab Plastics	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Lab GLasss	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Ewaste	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Bulbs	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Batteries	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Printer Toners	0.00	0.0%	0.00	0.0%											0.00	0.0%	
Non-recyclable	0.27	11.3%	1.70	11.1%											1.97	11.1%	
Total QAQC Check		2.39	100.0%	15.29	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	17.68	100.0%
Total Mixed Containers		0.25	10.5%	2.02	13.2%										2.27	12.8%	
Total Mixed Papers		0.68	28.5%	3.83	25.0%										4.51	25.5%	

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: Plaza - Bookstore **GARBAGE**  
 Date: Sep25/24

Area of Collection:		Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
Colour Code																	
Total Weight of Sample (in kg):		2.34		34.11		7.45				13.42						57.32	
Total Percent of Sample (in %):		4.1%		59.5%		13.0%		0.0%		23.4%		0.0%		0.0%		100.0%	
Composition of Garbage:		kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1)	0.03	1.3%	0.48	1.4%	0.10	1.3%			0.05	0.4%					0.66	1.2%
	HDPE (#2)	0.02	0.9%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.02	0.0%
	PP (#5)	0.08	3.4%	1.07	3.1%	0.08	1.1%			0.06	0.4%					1.29	2.3%
	PS (#6)	0.03	1.3%	0.46	1.3%	0.00	0.0%			0.02	0.1%					0.51	0.9%
	Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%
	Aluminum	0.08	3.4%	0.28	0.8%	0.02	0.3%			0.15	1.1%					0.53	0.9%
	Steel	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%
	Gable Top	0.00	0.0%	0.20	0.6%	0.00	0.0%			0.00	0.0%					0.20	0.3%
Aseptic	0.04	1.7%	0.98	2.9%	0.00	0.0%			0.08	0.6%					1.10	1.9%	
Total Mixed Papers	Fine Paper	0.53	22.6%	2.20	6.4%	0.00	0.0%			0.00	0.0%					2.73	4.8%
	Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%
	Boxboard	0.12	5.1%	3.77	11.1%	0.19	2.6%			0.16	1.2%					4.24	7.4%
	Other Paper Fibres	0.10	4.3%	3.02	8.9%	0.06	0.8%			0.63	4.7%					3.81	6.6%
Corrugated Cardboard	0.00	0.0%	0.54	1.6%	0.00	0.0%			0.00	0.0%					0.54	0.9%	
Coffee Cups	0.13	5.6%	2.26	6.6%	0.04	0.5%			0.10	0.7%					2.53	4.4%	
Coffee Pods	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Other Paper Drink Cups	0.08	3.4%	1.35	4.0%	0.02	0.3%			0.05	0.4%					1.50	2.6%	
Organic Food Waste	0.37	15.8%	9.91	29.1%	0.07	0.9%			7.52	56.0%					17.87	31.2%	
Compostable Fibres	0.44	18.8%	4.52	13.3%	6.60	88.6%			3.13	23.3%					14.69	25.6%	
Compostable Dishware	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
LDPE Plastic Films	0.00	0.0%	0.73	2.1%	0.00	0.0%			0.00	0.0%					0.73	1.3%	
Styrofoam	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Other Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Scrap Metal	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Scrap Wood	0.02	0.9%	0.24	0.7%	0.00	0.0%			0.00	0.0%					0.26	0.5%	
Textiles	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Shoes/Boots	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Take out food packaging	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Food/snack wrappers	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
PPE	0.00	0.0%	0.00	0.0%	0.12	1.6%			0.00	0.0%					0.12	0.2%	
Gloves	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Single-use plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Lab Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Lab GLasss	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Ewaste	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Bulbs	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Batteries	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Printer Toners	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%					0.00	0.0%	
Non-recyclable	0.27	11.5%	2.10	6.2%	0.15	2.0%			1.47	11.0%					3.99	7.0%	
Total QAQC Check		2.34	100.0%	34.11	100.0%	7.45	100.0%	0.00	0.0%	13.42	100.0%	0.00	0.0%	0.00	0.0%	57.32	100.0%
Total Mixed Containers		0.28	12.0%	3.47	10.2%	0.20	2.7%			0.36	2.7%					4.31	7.5%
Total Mixed Papers		0.75	32.1%	8.99	26.4%	0.25	3.4%			0.79	5.9%					10.78	18.8%

**Waste Audit Report**

Brock University  
WRG Project P1471

Client: Brock U  
Job Site: Cairns  
Date: Sep25/24

**GARBAGE**

Area of Collection:		Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
Colour Code																	
Total Weight of Sample (in kg):		4.01		5.15		4.31				1.02		45.64				60.13	
Total Percent of Sample (in %):		6.7%		8.6%		7.2%		0.0%		1.7%		75.9%		0.0%		100.0%	
Composition of Garbage:		kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1)	0.00	0.0%	0.11	2.1%	0.00	0.0%			0.00	0.0%	0.04	0.1%			0.15	0.2%
	HDPE (#2)	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%
	PP (#5)	0.06	1.5%	0.05	1.0%	0.03	0.7%			0.04	3.9%	0.02	0.0%			0.20	0.3%
	PS (#6)	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.01	0.0%			0.01	0.0%
	Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%
	Aluminum	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.01	0.0%
	Steel	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%
	Gable Top	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%
Total Mixed Papers	Aseptic	0.00	0.0%	0.03	0.6%	0.00	0.0%			0.02	2.0%	0.00	0.0%			0.05	0.1%
	Fine Paper	0.26	6.5%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.05	0.1%			0.31	0.5%
	Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%
	Boxboard	0.38	9.5%	0.48	9.3%	0.00	0.0%			0.04	3.9%	0.73	1.6%			1.63	2.7%
	Other Paper Fibres	1.79	44.6%	0.34	6.6%	0.00	0.0%			0.10	9.8%	0.10	0.2%			2.33	3.9%
Corrugated Cardboard	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.16	0.4%			0.16	0.3%	
Coffee Cups	0.83	20.7%	0.00	0.0%	0.02	0.5%			0.00	0.0%	0.06	0.1%			0.91	1.5%	
Coffee Pods	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Other Paper Drink Cups	0.28	7.0%	0.26	5.0%	0.00	0.0%			0.04	3.9%	0.02	0.0%			0.60	1.0%	
Organic Food Waste	0.00	0.0%	1.45	28.2%	0.00	0.0%			0.09	8.8%	0.00	0.0%			1.54	2.6%	
Compostable Fibres	0.00	0.0%	1.60	31.1%	3.86	89.6%			0.49	48.0%	4.19	9.2%			10.14	16.9%	
Compostable Dishware	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
LDPE Plastic Films	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.33	0.7%			0.33	0.5%	
Styrofoam	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Other Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Scrap Metal	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Scrap Wood	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Textiles	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Shoes/Boots	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Take out food packaging	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Food/snack wrappers	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
PPE	0.00	0.0%	0.00	0.0%	0.13	3.0%			0.00	0.0%	2.25	4.9%			2.38	4.0%	
Gloves	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Single-use plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Lab Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Lab GLasses	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Ewaste	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Bulbs	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Batteries	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Printer Toners	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%	
Non-recyclable	0.41	10.2%	0.83	16.1%	0.26	6.0%			0.20	19.6%	37.68	82.6%			39.38	65.5%	
Total QAQC Check		4.01	100.0%	5.15	100.0%	4.31	100.0%	0.00	0.0%	1.02	100.0%	45.64	100.0%	0.00	0.0%	60.13	100.0%
Total Mixed Containers	0.06	1.5%	0.19	3.7%	0.04	0.9%			0.06	5.9%	0.07	0.2%			0.42	0.7%	
Total Mixed Papers	2.43	60.6%	0.82	15.9%	0.00	0.0%			0.14	13.7%	0.88	1.9%			4.27	7.1%	

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: Outdoor Bins  
 Date: Sep26/24  
**GARBAGE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total					
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%				
Colour Code																				
Total Weight of Sample (in kg):															59.14		59.14			
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		100.0%		100.0%					
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%				
Total Mixed Containers	PET (#1)																1.16	2.0%	1.16	2.0%
	HDPE (#2)																0.32	0.5%	0.32	0.5%
	PP (#5)																1.96	3.3%	1.96	3.3%
	PS (#6)																0.40	0.7%	0.40	0.7%
	Glass																0.00	0.0%	0.00	0.0%
	Aluminum																0.29	0.5%	0.29	0.5%
	Steel																0.00	0.0%	0.00	0.0%
	Gable Top																0.27	0.5%	0.27	0.5%
	Aseptic																0.23	0.4%	0.23	0.4%
Total Mixed Papers	Fine Paper																1.07	1.8%	1.07	1.8%
	Newsprint																0.00	0.0%	0.00	0.0%
	Boxboard																5.66	9.6%	5.66	9.6%
	Other Paper Fibres																5.93	10.0%	5.93	10.0%
Corrugated Cardboard																	0.26	0.4%	0.26	0.4%
Coffee Cups																	5.87	9.9%	5.87	9.9%
Coffee Pods																	0.00	0.0%	0.00	0.0%
Other Paper Drink Cups																	3.20	5.4%	3.20	5.4%
Organic Food Waste																	14.53	24.6%	14.53	24.6%
Compostable Fibres																	7.22	12.2%	7.22	12.2%
Compostable Dishware																	0.00	0.0%	0.00	0.0%
LDPE Plastic Films																	0.43	0.7%	0.43	0.7%
Styrofoam																	0.00	0.0%	0.00	0.0%
Other Plastics																	0.00	0.0%	0.00	0.0%
Scrap Metal																	3.67	6.2%	3.67	6.2%
Scrap Wood																	0.24	0.4%	0.24	0.4%
Textiles																	0.33	0.6%	0.33	0.6%
Shoes/Boots																	0.00	0.0%	0.00	0.0%
Office Supplies (Pens/Markers, etc)																	0.00	0.0%	0.00	0.0%
Take out food packaging																	0.00	0.0%	0.00	0.0%
Food/snack wrappers																	0.00	0.0%	0.00	0.0%
PPE																	0.00	0.0%	0.00	0.0%
Gloves																	0.00	0.0%	0.00	0.0%
Single-use plastics																	0.00	0.0%	0.00	0.0%
Lab Plastics																	0.00	0.0%	0.00	0.0%
Lab GLasss																	0.00	0.0%	0.00	0.0%
Ewaste																	0.00	0.0%	0.00	0.0%
Bulbs																	0.00	0.0%	0.00	0.0%
Batteries																	0.00	0.0%	0.00	0.0%
Printer Toners																	0.00	0.0%	0.00	0.0%
Non-recyclable																	6.10	10.3%	6.10	10.3%
Total QAQC Check	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	59.14	100.0%	59.14	100.0%				
Total Mixed Containers																	4.63	7.8%	4.63	7.8%
Total Mixed Papers																	12.66	21.4%	12.66	21.4%

**RECYCLE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total					
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%				
Colour Code																				
Total Weight of Sample (in kg):															37.52		37.52			
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		63.4%		63.4%					
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%				
Total Mixed Containers	PET (#1)																3.59	9.6%	3.59	9.6%
	HDPE (#2)																0.40	1.1%	0.40	1.1%
	PP (#5)																5.29	14.1%	5.29	14.1%
	PS (#6)																1.36	3.6%	1.36	3.6%
	Glass																0.56	1.5%	0.56	1.5%
	Aluminum																2.43	6.5%	2.43	6.5%
	Steel																0.00	0.0%	0.00	0.0%
	Gable Top																0.12	0.3%	0.12	0.3%
	Aseptic																0.18	0.5%	0.18	0.5%
Total Mixed Papers	Fine Paper																1.47	3.9%	1.47	3.9%
	Newsprint																0.00	0.0%	0.00	0.0%
	Boxboard																3.75	10.0%	3.75	10.0%
	Other Paper Fibres																1.96	5.2%	1.96	5.2%
Corrugated Cardboard																	1.54	4.1%	1.54	4.1%
Coffee Cups																	2.24	6.0%	2.24	6.0%
Coffee Pods																	0.00	0.0%	0.00	0.0%
Other Paper Drink Cups																	2.09	5.6%	2.09	5.6%
Organic Food Waste																	2.79	7.4%	2.79	7.4%
Compostable Fibres																	3.66	9.8%	3.66	9.8%
Compostable Dishware																	0.00	0.0%	0.00	0.0%
LDPE Plastic Films																	1.17	3.1%	1.17	3.1%
Styrofoam																	0.00	0.0%	0.00	0.0%
Other Plastics																	0.00	0.0%	0.00	0.0%
Scrap Metal																	0.00	0.0%	0.00	0.0%
Scrap Wood																	0.00	0.0%	0.00	0.0%
Textiles																	0.00	0.0%	0.00	0.0%
Shoes/Boots																	0.00	0.0%	0.00	0.0%
Office Supplies (Pens/Markers, etc)																	0.00	0.0%	0.00	0.0%
Take out food packaging																	0.00	0.0%	0.00	0.0%
Food/snack wrappers																	0.00	0.0%	0.00	0.0%
PPE																	0.00	0.0%	0.00	0.0%
Gloves																	0.00	0.0%	0.00	0.0%
Single-use plastics																	0.00	0.0%	0.00	0.0%
Lab Plastics																	0.00	0.0%	0.00	0.0%
Lab GLasss																	0.00	0.0%	0.00	0.0%
Ewaste																	0.00	0.0%	0.00	0.0%
Bulbs																	0.00	0.0%	0.00	0.0%
Batteries																	0.00	0.0%	0.00	0.0%
Printer Toners																	0.00	0.0%	0.00	0.0%
Non-recyclable																	2.92	7.8%	2.92	7.8%
Total QAQC Check	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	37.52	100.0%	37.52	100.0%				
Total Mixed Containers																	13.93	37.1%	13.93	37.1%
Total Mixed Papers																	7.18	19.1%	7.18	19.1%













**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: Burlington Campus **GARBAGE**  
 Date: Oct4/24

Area of Collection: Colour Code	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total																																																																																																																																																										
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%																																																																																																																																																									
Total Weight of Sample (in kg):	0.15		19.08		0.00		4.88		0.00		0.00		0.00		24.11																																																																																																																																																										
Total Percent of Sample (in %):	0.6%		79.1%		0.0%		20.2%		0.0%		0.0%		0.0%		100.0%																																																																																																																																																										
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%																																																																																																																																																									
Total Mixed Containers	<table border="1"> <tr> <td>PET (#1)</td> <td>0.00</td> <td>0.0%</td> <td>0.95</td> <td>5.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.95</td> <td>3.9%</td> </tr> <tr> <td>HDPE (#2)</td> <td>0.00</td> <td>0.0%</td> <td>0.01</td> <td>0.1%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.01</td> <td>0.0%</td> </tr> <tr> <td>PP (#5)</td> <td>0.00</td> <td>0.0%</td> <td>3.30</td> <td>17.3%</td> <td></td> <td></td> <td>0.02</td> <td>0.4%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.32</td> <td>13.8%</td> </tr> <tr> <td>PS (#6)</td> <td>0.00</td> <td>0.0%</td> <td>0.92</td> <td>4.8%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.92</td> <td>3.8%</td> </tr> <tr> <td>Glass</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> </tr> <tr> <td>Aluminum</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> </tr> <tr> <td>Steel</td> <td>0.00</td> <td>0.0%</td> <td>0.75</td> <td>3.9%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.75</td> <td>3.1%</td> </tr> <tr> <td>Gable Top</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> </tr> <tr> <td>Aseptic</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> </tr> </table>																PET (#1)	0.00	0.0%	0.95	5.0%			0.00	0.0%							0.95	3.9%	HDPE (#2)	0.00	0.0%	0.01	0.1%			0.00	0.0%							0.01	0.0%	PP (#5)	0.00	0.0%	3.30	17.3%			0.02	0.4%							3.32	13.8%	PS (#6)	0.00	0.0%	0.92	4.8%			0.00	0.0%							0.92	3.8%	Glass	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%	Aluminum	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%	Steel	0.00	0.0%	0.75	3.9%			0.00	0.0%							0.75	3.1%	Gable Top	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%	Aseptic	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%
PET (#1)	0.00	0.0%	0.95	5.0%			0.00	0.0%							0.95	3.9%																																																																																																																																																									
HDPE (#2)	0.00	0.0%	0.01	0.1%			0.00	0.0%							0.01	0.0%																																																																																																																																																									
PP (#5)	0.00	0.0%	3.30	17.3%			0.02	0.4%							3.32	13.8%																																																																																																																																																									
PS (#6)	0.00	0.0%	0.92	4.8%			0.00	0.0%							0.92	3.8%																																																																																																																																																									
Glass	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Aluminum	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Steel	0.00	0.0%	0.75	3.9%			0.00	0.0%							0.75	3.1%																																																																																																																																																									
Gable Top	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Aseptic	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Total Mixed Papers	<table border="1"> <tr> <td>Fine Paper</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> </tr> <tr> <td>Newsprint</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> </tr> <tr> <td>Boxboard</td> <td>0.00</td> <td>0.0%</td> <td>2.07</td> <td>10.8%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.07</td> <td>8.6%</td> </tr> <tr> <td>Other Paper Fibres</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> </tr> </table>																Fine Paper	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%	Newsprint	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%	Boxboard	0.00	0.0%	2.07	10.8%			0.00	0.0%							2.07	8.6%	Other Paper Fibres	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																					
Fine Paper	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Newsprint	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Boxboard	0.00	0.0%	2.07	10.8%			0.00	0.0%							2.07	8.6%																																																																																																																																																									
Other Paper Fibres	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Corrugated Cardboard	0.00	0.0%	1.50	7.9%			0.10	2.0%							1.60	6.6%																																																																																																																																																									
Coffee Cups	0.00	0.0%	0.81	4.2%			0.03	0.6%							0.84	3.5%																																																																																																																																																									
Coffee Pods	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Other Paper Drink Cups	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Organic Food Waste	0.00	0.0%	1.10	5.8%			0.01	0.2%							1.11	4.6%																																																																																																																																																									
Compostable Fibres	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Compostable Dishware	0.00	0.0%	1.02	5.3%			0.00	0.0%							1.02	4.2%																																																																																																																																																									
LDPE Plastic Films	0.11	73.3%	3.78	19.8%			0.00	0.0%							3.89	16.1%																																																																																																																																																									
Styrofoam	0.03	20.0%	1.15	6.0%			4.59	94.1%							5.77	23.9%																																																																																																																																																									
Other Plastics	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Scrap Metal	0.00	0.0%	0.05	0.3%			0.00	0.0%							0.05	0.2%																																																																																																																																																									
Scrap Wood	0.00	0.0%	0.01	0.1%			0.00	0.0%							0.01	0.0%																																																																																																																																																									
Textiles	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Shoes/Boots	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.05	0.3%			0.00	0.0%							0.05	0.2%																																																																																																																																																									
Take out food packaging	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Food/snack wrappers	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
PPE	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Gloves	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Single-use plastics	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Lab Plastics	0.00	0.0%	0.02	0.1%			0.01	0.2%							0.03	0.1%																																																																																																																																																									
Lab Glass	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Ewaste	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Bulbs	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Batteries	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Printer Toners	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	0.0%																																																																																																																																																									
Non-recyclable	0.01	6.7%	1.59	8.3%			0.12	2.5%							1.72	7.1%																																																																																																																																																									
Total QAQC Check	0.15	100.0%	19.08	100.0%	0.00	0.0%	4.88	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	24.11	100.0%																																																																																																																																																									
Total Mixed Containers	0.00	0.0%	5.93	31.1%			0.02	0.4%							5.95	24.7%																																																																																																																																																									
Total Mixed Papers	0.00	0.0%	2.07	10.8%			0.00	0.0%							2.07	8.6%																																																																																																																																																									

**RECYCLE**

Area of Collection: Colour Code	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Residences		Total																																																																																																																																																										
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%																																																																																																																																																									
Total Weight of Sample (in kg):	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00																																																																																																																																																										
Total Percent of Sample (in %):	0.0%		#DIV/0!		0.0%		0.0%		0.0%		0.0%		#DIV/0!		#DIV/0!																																																																																																																																																										
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%																																																																																																																																																									
Total Mixed Containers	<table border="1"> <tr> <td>PET (#1)</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> <tr> <td>HDPE (#2)</td> <td>0.00</td> <td>0.0%</td> <td>0.01</td> <td>0.1%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.01</td> <td>#DIV/0!</td> </tr> <tr> <td>PP (#5)</td> <td>0.00</td> <td>0.0%</td> <td>3.30</td> <td>17.3%</td> <td></td> <td></td> <td>0.02</td> <td>0.4%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.32</td> <td>#DIV/0!</td> </tr> <tr> <td>PS (#6)</td> <td>0.00</td> <td>0.0%</td> <td>0.92</td> <td>4.8%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.92</td> <td>#DIV/0!</td> </tr> <tr> <td>Glass</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> <tr> <td>Aluminum</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> <tr> <td>Steel</td> <td>0.00</td> <td>0.0%</td> <td>0.75</td> <td>3.9%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.75</td> <td>#DIV/0!</td> </tr> <tr> <td>Gable Top</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> <tr> <td>Aseptic</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> </table>																PET (#1)	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!	HDPE (#2)	0.00	0.0%	0.01	0.1%			0.00	0.0%							0.01	#DIV/0!	PP (#5)	0.00	0.0%	3.30	17.3%			0.02	0.4%							3.32	#DIV/0!	PS (#6)	0.00	0.0%	0.92	4.8%			0.00	0.0%							0.92	#DIV/0!	Glass	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!	Aluminum	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!	Steel	0.00	0.0%	0.75	3.9%			0.00	0.0%							0.75	#DIV/0!	Gable Top	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!	Aseptic	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!
PET (#1)	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
HDPE (#2)	0.00	0.0%	0.01	0.1%			0.00	0.0%							0.01	#DIV/0!																																																																																																																																																									
PP (#5)	0.00	0.0%	3.30	17.3%			0.02	0.4%							3.32	#DIV/0!																																																																																																																																																									
PS (#6)	0.00	0.0%	0.92	4.8%			0.00	0.0%							0.92	#DIV/0!																																																																																																																																																									
Glass	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Aluminum	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Steel	0.00	0.0%	0.75	3.9%			0.00	0.0%							0.75	#DIV/0!																																																																																																																																																									
Gable Top	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Aseptic	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Total Mixed Papers	<table border="1"> <tr> <td>Fine Paper</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> <tr> <td>Newsprint</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> <tr> <td>Boxboard</td> <td>0.00</td> <td>0.0%</td> <td>2.07</td> <td>10.8%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.07</td> <td>#DIV/0!</td> </tr> <tr> <td>Other Paper Fibres</td> <td>0.00</td> <td>0.0%</td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td>0.00</td> <td>0.0%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>#DIV/0!</td> </tr> </table>																Fine Paper	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!	Newsprint	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!	Boxboard	0.00	0.0%	2.07	10.8%			0.00	0.0%							2.07	#DIV/0!	Other Paper Fibres	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																					
Fine Paper	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Newsprint	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Boxboard	0.00	0.0%	2.07	10.8%			0.00	0.0%							2.07	#DIV/0!																																																																																																																																																									
Other Paper Fibres	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Corrugated Cardboard	0.00	0.0%	1.50	7.9%			0.10	2.0%							1.60	#DIV/0!																																																																																																																																																									
Coffee Cups	0.00	0.0%	0.81	4.2%			0.03	0.6%							0.84	#DIV/0!																																																																																																																																																									
Coffee Pods	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Other Paper Drink Cups	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Organic Food Waste	0.00	0.0%	1.10	5.8%			0.01	0.2%							1.11	#DIV/0!																																																																																																																																																									
Compostable Fibres	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Compostable Dishware	0.00	0.0%	1.02	5.3%			0.00	0.0%							1.02	#DIV/0!																																																																																																																																																									
LDPE Plastic Films	0.11	73.3%	3.78	19.8%			0.00	0.0%							3.89	#DIV/0!																																																																																																																																																									
Styrofoam	0.03	20.0%	1.15	6.0%			4.59	94.1%							5.77	#DIV/0!																																																																																																																																																									
Other Plastics	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Scrap Metal	0.00	0.0%	0.05	0.3%			0.00	0.0%							0.05	#DIV/0!																																																																																																																																																									
Scrap Wood	0.00	0.0%	0.01	0.1%			0.00	0.0%							0.01	#DIV/0!																																																																																																																																																									
Textiles	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Shoes/Boots	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.05	0.3%			0.00	0.0%							0.05	#DIV/0!																																																																																																																																																									
Take out food packaging	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Food/snack wrappers	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
PPE	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Gloves	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Single-use plastics	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Lab Plastics	0.00	0.0%	0.02	0.1%			0.01	0.2%							0.03	#DIV/0!																																																																																																																																																									
Lab Glass	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Ewaste	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Bulbs	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00	#DIV/0!																																																																																																																																																									
Batteries	0.00	0.0%	0.00	0.0%			0.00	0.0%							0.00																																																																																																																																																										

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: Marilyn I Walker School **GARBAGE**  
 Date: Jan31/25

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Outdoor		Total	
Colour Code																
Total Weight of Sample (in kg):	5.51		21.12		1.23								3.72		31.58	
Total Percent of Sample (in %):	17.4%		66.9%		3.9%		0.0%		0.0%		0.0%		11.8%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1)	0.00	0.0%	0.09	0.4%	0.00	0.0%						0.55	14.8%	0.64	2.0%
	HDPE (#2)	0.00	0.0%	0.13	0.6%	0.00	0.0%						0.00	0.0%	0.13	0.4%
	PP (#5)	0.38	6.9%	2.39	11.3%	0.14	1.1%						0.56	15.1%	3.47	11.0%
	PS (#6)	0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
	Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%						0.83	22.2%	0.83	2.6%
	Aluminum	0.08	1.4%	0.14	0.6%	0.00	0.0%						0.39	10.6%	0.61	1.9%
	Steel	0.16	2.9%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.16	0.5%
	Gable Top	0.00	0.0%	0.07	0.3%	0.00	0.0%						0.00	0.0%	0.07	0.2%
	Aseptic	0.03	0.6%	0.08	0.4%	0.00	0.0%						0.00	0.0%	0.11	0.4%
Total Mixed Papers	Fine Paper	0.35	6.3%	0.14	0.7%	0.00	0.0%						0.00	0.0%	0.49	1.5%
	Newsprint	0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
	Boxboard	0.63	11.5%	3.39	16.1%	0.00	0.0%						4.02	12.7%		
	Other Paper Fibres	0.47	8.5%	2.14	10.1%	0.15	1.2%						0.00	0.0%	2.76	8.7%
Corrugated Cardboard		0.00	0.0%	0.49	2.3%	0.00	0.0%						0.00	0.0%	0.49	1.5%
Coffee Cups		0.59	10.6%	0.62	2.9%	0.00	0.0%						0.68	18.2%	1.89	6.0%
Coffee Pods		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Other Paper Drink Cups		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Organic Food Waste		0.13	2.4%	1.94	9.2%	0.00	0.0%						0.00	0.0%	2.07	6.6%
Compostable Fibres		0.63	11.5%	4.26	20.2%	0.58	4.7%						0.64	17.1%	6.11	19.3%
Compostable Dishware		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
LDPE Plastic Films		1.39	25.2%	2.07	9.8%	0.37	29.9%						0.06	1.6%	3.89	12.3%
Styrofoam		0.46	8.4%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.46	1.5%
Other Plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Scrap Metal		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Scrap Wood		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Textiles		0.00	0.0%	0.35	1.7%	0.00	0.0%						0.00	0.0%	0.35	1.1%
Shoes/Boots		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Office Supplies (Pens/Markers, etc)		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Take out food packaging		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Food/snack wrappers		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
PPE		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.01	0.4%	0.01	0.0%
Gloves		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Single-use plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Lab Plastics		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Lab GLasss		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Ewaste		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Bulbs		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Batteries		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Printer Toners		0.00	0.0%	0.00	0.0%	0.00	0.0%						0.00	0.0%	0.00	0.0%
Non-recyclable		0.20	3.7%	2.83	13.4%	0.00	0.0%						0.00	0.0%	3.03	9.6%
<b>Total QAQC Check</b>	<b>5.51</b>	<b>100.0%</b>	<b>21.12</b>	<b>100.0%</b>	<b>1.23</b>	<b>100.0%</b>	<b>0.00</b>	<b>0.0%</b>	<b>0.00</b>	<b>0.0%</b>	<b>0.00</b>	<b>0.0%</b>	<b>3.72</b>	<b>100.0%</b>	<b>31.58</b>	<b>100.0%</b>
Total Mixed Containers	0.65	11.8%	2.90	13.7%	0.14	1.1%							2.33	62.6%	6.01	19.0%
Total Mixed Papers	1.45	26.3%	5.67	26.9%	0.15	1.2%							0.00	0.0%	7.27	23.0%

**RECYCLE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Outdoor		Total		
Colour Code									
Total Weight of Sample (in kg):	4.11		5.71		1.51		9.82		
Total Percent of Sample (in %):	41.9%		58.1%		15.3%		100.0%		
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	
Total Mixed Containers	PET (#1)	0.26	6.3%	1.32	23.1%	0.00	0.0%	1.58	16.1%
	HDPE (#2)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
	PP (#5)	0.11	2.7%	0.81	14.1%	0.00	0.0%	0.92	9.3%
	PS (#6)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
	Glass	0.49	11.9%	0.73	12.8%	0.00	0.0%	1.22	12.4%
	Aluminum	0.18	4.4%	0.00	0.0%	0.00	0.0%	0.18	1.8%
	Steel	0.00	0.0%	0.37	6.5%	0.00	0.0%	0.37	3.8%
	Gable Top	0.00	0.0%	0.00	0.0%	0.10	6.4%	0.00	0.0%
	Aseptic	0.00	0.0%	0.12	2.1%	0.00	0.0%	0.12	1.2%
	Fine Paper	1.03	25.0%	0.00	0.0%	0.00	0.0%	1.03	10.5%
	Newsprint	0.00	0.0%	0.69	12.1%	0.00	0.0%	0.69	7.0%
	Boxboard	0.61	14.7%	0.31	5.3%	0.07	4.5%	0.91	9.3%
	Other Paper Fibres	0.24	5.8%	0.13	2.3%	0.75	50.1%	0.37	3.8%
Corrugated Cardboard	0.00	0.0%	0.23	4.1%	0.13	8.5%	0.23	2.4%	
Coffee Cups	0.00	0.0%	0.15	2.6%	0.33	22.2%	0.15	1.5%	
Coffee Pods	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Other Paper Drink Cups	0.00	0.0%	0.00	0.0%	0.13	8.3%	0.00	0.0%	
Organic Food Waste	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Compostable Fibres	0.00	0.0%	0.13	2.3%	0.00	0.0%	0.13	1.3%	
Compostable Dishware	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
LDPE Plastic Films	0.82	20.0%	0.72	12.6%	0.00	0.0%	1.54	15.7%	
Styrofoam	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Other Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Scrap Metal	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Scrap Wood	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Textiles	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Shoes/Boots	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Office Supplies (Pens/Markers, etc)	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Take out food packaging	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Food/snack wrappers	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
PPE	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Gloves	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Single-use plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Lab Plastics	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Lab GLasss	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Ewaste	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Bulbs	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Batteries	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Printer Toners	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	
Non-recyclable	0.38	9.2%	0.00	0.0%	0.00	0.0%	0.38	3.9%	
<b>Total QAQC Check</b>	<b>4.11</b>	<b>100.0%</b>	<b>5.71</b>	<b>100.0%</b>	<b>1.51</b>	<b>100.0%</b>	<b>9.82</b>	<b>100.0%</b>	
Total Mixed Containers	1.04	25.3%	3.35	58.6%	0.10	6.4%	4.39	44.7%	
Total Mixed Papers	1.87	45.5%	1.13	19.7%	0.82	54.6%	3.00	30.5%	

**ORGANIC**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Total		
Colour Code							
Total Weight of Sample (in kg):	0.46		2.94		3.40		
Total Percent of Sample (in %):	4.7%		29.9%		34.6%		
Composition of Garbage:	kg	%	kg	%	kg	%	
Total Mixed Containers	PET (#1)	0.00	0.0%	0.00	0.0%	0.00	0.0%
	HDPE (#2)	0.00	0.0%	0.00	0.0%	0.00	0.0%
	PP (#5)	0.00	0.0%	0.01	0.3%	0.01	0.3%
	PS (#6)	0.00	0.0%	0.00	0.0%	0.00	0.0%
	Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%
	Aluminum	0.00	0.0%	0.00	0.0%	0.00	0.0%
	Steel	0.00	0.0%	0.00	0.0%	0.00	0.0%
	Gable Top	0.00					





**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: MacKenzie Chown-Inniskil **GARBAGE**  
 Date: Oct2/25

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Colour Code																
Total Weight of Sample (in kg):															21.49	21.49
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		100.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	PET (#1) 0.00 0.0% 0.00 0.0% HDPE (#2) 0.00 0.0% 0.00 0.0% PP (#5) 0.00 0.0% 0.00 0.0% PS (#6) 0.00 0.0% 0.00 0.0% Glass 0.00 0.0% 0.00 0.0% Aluminum 0.00 0.0% 0.00 0.0% Steel 0.00 0.0% 0.00 0.0% Gable Top 0.00 0.0% 0.00 0.0% Aseptic 0.00 0.0% 0.00 0.0%															
Total Mixed Papers	Fine Paper 0.00 0.0% 0.00 0.0% Newsprint 0.00 0.0% 0.00 0.0% Boxboard 0.00 0.0% 0.00 0.0% Other Paper Fibres 0.00 0.0% 0.00 0.0%															
Corrugated Cardboard	0.00 0.0% 0.00 0.0%															
Coffee Cups	0.60 2.8% 0.60 2.8%															
Coffee Pods	0.00 0.0% 0.00 0.0%															
Other Paper Drink Cups	0.00 0.0% 0.00 0.0%															
Organic Food Waste	19.44 90.5% 19.44 90.5%															
Compostable Fibres	0.00 0.0% 0.00 0.0%															
Compostable Dishware	0.00 0.0% 0.00 0.0%															
LDPE Plastic Films	0.70 3.3% 0.70 3.3%															
Styrofoam	0.00 0.0% 0.00 0.0%															
Other Plastics	0.00 0.0% 0.00 0.0%															
Scrap Metal	0.00 0.0% 0.00 0.0%															
Scrap Wood	0.00 0.0% 0.00 0.0%															
Textiles	0.00 0.0% 0.00 0.0%															
Shoes/Boots	0.00 0.0% 0.00 0.0%															
Office Supplies (Pens/Markers, etc)	0.00 0.0% 0.00 0.0%															
Take out food packaging	0.00 0.0% 0.00 0.0%															
Food/snack wrappers	0.00 0.0% 0.00 0.0%															
PPE	0.13 0.6% 0.13 0.6%															
Gloves	0.00 0.0% 0.00 0.0%															
Single-use plastics	0.00 0.0% 0.00 0.0%															
Lab Plastics	0.00 0.0% 0.00 0.0%															
Lab GLass	0.00 0.0% 0.00 0.0%															
Ewaste	0.00 0.0% 0.00 0.0%															
Bulbs	0.00 0.0% 0.00 0.0%															
Batteries	0.00 0.0% 0.00 0.0%															
Printer Toners	0.00 0.0% 0.00 0.0%															
Non-recyclable	0.62 2.9% 0.62 2.9%															
Total QAQC Check	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	21.49	100.0%	21.49	100.0%
Total Mixed Containers	0.00 0.0% 0.00 0.0%															
Total Mixed Papers	0.00 0.0% 0.00 0.0%															

**RECYCLE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Unlabelled		Total	
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Colour Code																
Total Weight of Sample (in kg):															0.00	0.00
Total Percent of Sample (in %):	0.0%		#DIV/0!		0.0%		0.0%		0.0%		0.0%		0.0%		#DIV/0!	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers	0.00 #DIV/0!															
HDPE (#2)	0.00 #DIV/0!															
PP (#5)	0.00 #DIV/0!															
PS (#6)	0.00 #DIV/0!															
Glass	0.00 #DIV/0!															
Aluminum	0.00 #DIV/0!															
Steel	0.00 #DIV/0!															
Gable Top	0.00 #DIV/0!															
Aseptic	0.00 #DIV/0!															
Total Mixed Papers	0.00 #DIV/0!															
Fine Paper	0.00 #DIV/0!															
Newsprint	0.00 #DIV/0!															
Boxboard	0.00 #DIV/0!															
Other Paper Fibres	0.00 #DIV/0!															
Corrugated Cardboard	0.00 #DIV/0!															
Coffee Cups	0.00 #DIV/0!															
Coffee Pods	0.00 #DIV/0!															
Other Paper Drink Cups	0.00 #DIV/0!															
Organic Food Waste	0.00 #DIV/0!															
Compostable Fibres	0.00 #DIV/0!															
Compostable Dishware	0.00 #DIV/0!															
LDPE Plastic Films	0.00 #DIV/0!															
Styrofoam	0.00 #DIV/0!															
Other Plastics	0.00 #DIV/0!															
Scrap Metal	0.00 #DIV/0!															
Scrap Wood	0.00 #DIV/0!															
Textiles	0.00 #DIV/0!															
Shoes/Boots	0.00 #DIV/0!															
Office Supplies (Pens/Markers, etc)	0.00 #DIV/0!															
Take out food packaging	0.00 #DIV/0!															
Food/snack wrappers	0.00 #DIV/0!															
PPE	0.00 #DIV/0!															
Gloves	0.00 #DIV/0!															
Single-use plastics	0.00 #DIV/0!															
Lab Plastics	0.00 #DIV/0!															
Lab GLass	0.00 #DIV/0!															
Ewaste	0.00 #DIV/0!															
Bulbs	0.00 #DIV/0!															
Batteries	0.00 #DIV/0!															
Printer Toners	0.00 #DIV/0!															
Non-recyclable	0.00 #DIV/0!															
Total QAQC Check	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Total Mixed Containers	0.00 #DIV/0!															
Total Mixed Papers	0.00 #DIV/0!															

**Waste Audit Report**  
 Brock University  
 WRG Project P1471

Client: Brock U  
 Job Site: Lowenberger **GARBAGE**  
 Date: Oct/25

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Residences		Total	
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Colour Code																
Total Weight of Sample (in kg):													31.30		31.30	
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		100.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers																
PET (#1)													0.42	1.3%	0.42	1.3%
HDPE (#2)													0.00	0.0%	0.00	0.0%
PP (#5)													0.83	2.7%	0.83	2.7%
PS (#6)													0.00	0.0%	0.00	0.0%
Glass													0.00	0.0%	0.00	0.0%
Aluminum													0.60	1.9%	0.60	1.9%
Steel													0.00	0.0%	0.00	0.0%
Gable Top													0.10	0.3%	0.10	0.3%
Aseptic													0.00	0.0%	0.00	0.0%
Total Mixed Papers																
Fire Paper													0.00	0.0%	0.00	0.0%
Newsprint													0.00	0.0%	0.00	0.0%
Boxboard													0.45	1.4%	0.45	1.4%
Other Paper Fibres													2.65	8.5%	2.65	8.5%
Corrugated Cardboard													0.26	0.8%	0.26	0.8%
Coffee Cups													1.14	3.6%	1.14	3.6%
Coffee Pods													0.00	0.0%	0.00	0.0%
Other Paper Drink Cups													0.24	0.8%	0.24	0.8%
Organic Food Waste													17.38	55.5%	17.38	55.5%
Compostable Fibres													3.81	12.2%	3.81	12.2%
Compostable Dishware													0.00	0.0%	0.00	0.0%
LDPE Plastic Films													1.74	5.6%	1.74	5.6%
Styrofoam													0.12	0.4%	0.12	0.4%
Other Plastics													0.00	0.0%	0.00	0.0%
Scrap Metal													0.00	0.0%	0.00	0.0%
Scrap Wood													0.00	0.0%	0.00	0.0%
Textiles													0.00	0.0%	0.00	0.0%
Shoes/Boots													0.00	0.0%	0.00	0.0%
Office Supplies (Pens/Markers, etc)													0.00	0.0%	0.00	0.0%
Take out food packaging													0.00	0.0%	0.00	0.0%
Food/snack wrappers													0.00	0.0%	0.00	0.0%
PPE													0.00	0.0%	0.00	0.0%
Gloves													0.00	0.0%	0.00	0.0%
Single-use plastics													0.00	0.0%	0.00	0.0%
Lab Plastics													0.00	0.0%	0.00	0.0%
Lab Glasses													0.00	0.0%	0.00	0.0%
Ewaste													0.00	0.0%	0.00	0.0%
Bulbs													0.00	0.0%	0.00	0.0%
Batteries													0.00	0.0%	0.00	0.0%
Printer Toners													0.00	0.0%	0.00	0.0%
Non-recyclable													1.56	5.0%	1.56	5.0%
Total QAQC Check	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	31.30	100.0%	31.30	100.0%
Total Mixed Containers													1.95	6.2%	1.95	6.2%
Total Mixed Papers													3.10	9.9%	3.10	9.9%

**RECYCLE**

Area of Collection:	Office & Admin		Hallways, Classrooms, Public Spaces		Washrooms		Food Services Kitchen		Food Services Dining		Labs		Residences		Total	
	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Colour Code																
Total Weight of Sample (in kg):																
Total Percent of Sample (in %):	0.0%		#DIV/0!		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%	#DIV/0!
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
Total Mixed Containers																
PET (#1)															0.00	#DIV/0!
HDPE (#2)															0.00	#DIV/0!
PP (#5)															0.00	#DIV/0!
PS (#6)															0.00	#DIV/0!
Glass															0.00	#DIV/0!
Aluminum															0.00	#DIV/0!
Steel															0.00	#DIV/0!
Gable Top															0.00	#DIV/0!
Aseptic															0.00	#DIV/0!
Total Mixed Papers																
Fire Paper															0.00	#DIV/0!
Newsprint															0.00	#DIV/0!
Boxboard															0.00	#DIV/0!
Other Paper Fibres															0.00	#DIV/0!
Corrugated Cardboard															0.00	#DIV/0!
Coffee Cups															0.00	#DIV/0!
Coffee Pods															0.00	#DIV/0!
Other Paper Drink Cups															0.00	#DIV/0!
Organic Food Waste															0.00	#DIV/0!
Compostable Fibres															0.00	#DIV/0!
Compostable Dishware															0.00	#DIV/0!
LDPE Plastic Films															0.00	#DIV/0!
Styrofoam															0.00	#DIV/0!
Other Plastics															0.00	#DIV/0!
Scrap Metal															0.00	#DIV/0!
Scrap Wood															0.00	#DIV/0!
Textiles															0.00	#DIV/0!
Shoes/Boots															0.00	#DIV/0!
Office Supplies (Pens/Markers, etc)															0.00	#DIV/0!
Take out food packaging															0.00	#DIV/0!
Food/snack wrappers															0.00	#DIV/0!
PPE															0.00	#DIV/0!
Gloves															0.00	#DIV/0!
Single-use plastics															0.00	#DIV/0!
Lab Plastics															0.00	#DIV/0!
Lab Glasses															0.00	#DIV/0!
Ewaste															0.00	#DIV/0!
Bulbs															0.00	#DIV/0!
Batteries															0.00	#DIV/0!
Printer Toners															0.00	#DIV/0!
Non-recyclable															0.00	#DIV/0!
Total QAQC Check	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Total Mixed Containers															0.00	#DIV/0!
Total Mixed Papers															0.00	#DIV/0!





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**Appendix C**

**Waste Audit Summary**

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# Ministry of the Environment Waste Form

## Report of a Waste Audit

### Industrial, Commercial and Institutional Establishments

As required by O. Reg. 102/94

- *This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and a copy retained on file for at least five years after it is prepared, and be made available to the ministry upon request.*
- *For large construction and demolition projects, please refer to the forms included with "A Guide to Waste Audits and Waste Reduction Work Plans for Construction and Demolition Projects as Required Under Ontario Regulation 102/94" (revised July 2008)*

#### I. GENERAL INFORMATION

<b>Name of Owner and/or Operator of Entity(ies) and Company Name:</b> Brock University			
<b>Name of Contact Person:</b> Jay Ismailovic		<b>Telephone #:</b> 905-688-5550 x4803	<b>Email address:</b> jismailovic@brocku.ca
<b>Street Address(es) of Entity(ies):</b> 1812 Sir Isaac Brock Way			
<b>Municipality:</b> St. Catharines, Ontario, L2S 3A1			
<b>Type of Entity (check one)</b>			
Retail Shopping Establishments	<input type="checkbox"/>	Hotels and Motels	<input type="checkbox"/>
Retail Shopping Complexes	<input type="checkbox"/>	Hospitals	<input type="checkbox"/>
Office Buildings	<input type="checkbox"/>	Educational Institutions	<input checked="" type="checkbox"/>
Restaurants	<input type="checkbox"/>	Large Manufacturing Establishments	<input type="checkbox"/>

**Note:** O. Reg. 102/94 does not apply to multi-unit residential buildings.

#### II. DESCRIPTION OF ENTITY

<p>Provide a brief overview of the entity(ties):</p> <p>Brock University is an educational institution with approximately 18,639 students (full and part-time undergraduate and graduate in 2022/23) which satisfies Part X of Ontario Regulation 102/94 &amp; 103/94. O.Reg. 102/94 requires operators of educational institutions with more than 350 full- or part-time students enrolled during the calendar year to conduct an annual waste audit and implement a waste reduction work plan. O.Reg. 103/94 requires that source separation programs be implemented and maintained for fine papers, newsprint, aluminum cans, steel cans, glass beverage containers and corrugated cardboard. Brock U undertook this audit in order to assist them in reducing wastes generated on campus and/or disposed to landfill, while being in compliance with the required Regulations.</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### III. HOW WASTE IS PRODUCED AND DECISIONS AFFECTING THE PRODUCTION OF WASTE

For each category of waste that is produced at the entity(ies), explain how the waste will be produced and how management decisions and policies will affect the production of waste.

Categories of Waste	How Is the Waste Produced and What Management Decisions/Policies Affect Its Production?
PET (#1) plastic food and beverage bottles	<i>Brought onto campus or generated on campus by staff/students.</i>
Glass food and beverage bottles/jars	<i>Brought onto campus or generated on campus by staff/students.</i>
Aluminum food and beverage cans	<i>Brought onto campus or generated on campus by staff/students.</i>
Steel food and beverage cans	<i>Brought onto campus or generated on campus by staff/students.</i>
Gable Top Containers	<i>Brought onto campus or generated on campus by staff/students.</i>
Aseptic Containers	<i>Brought onto campus or generated on campus by staff/students.</i>
Polypropylene (#5 Plastics)	<i>Brought onto campus or generated on campus by staff/students.</i>
Boxboard shoe boxes, cereal boxes, etc.	<i>Brought onto campus or generated on campus by staff/students.</i>
Newsprint	<i>Brought onto campus or generated on campus by staff/students.</i>
Glossy magazines, catalogues, flyers	<i>Brought onto campus or generated on campus by staff/students.</i>
Fine paper	<i>Brought onto campus or generated on campus by staff/students.</i>
Cardboard	<i>Brought onto campus shipping/generated on campus by staff/students.</i>
Paper towels	<i>Generated by staff/students on campus</i>
Organics / Food Waste	<i>Brought onto campus/generated on campus by staff/students.</i>
Coffee cups	<i>Brought onto campus/generated on campus by staff/students.</i>
HDPE (#2) plastic jugs, crates, totes and drums	<i>Brought onto campus/generated on campus by staff/students.</i>
PVC (#3) plastics	<i>Brought onto campus/generated on campus by staff/students.</i>
LDPE (#4) plastic film	<i>Brought onto campus/generated on campus by staff/students.</i>
Polystyrene (#6)	<i>Brought onto campus/generated on campus by staff/students.</i>
Other Plastics (#7)	<i>Brought onto campus/generated on campus by staff/students.</i>
Scrap Metals	<i>Generated by staff/students on campus</i>
Scrap Woods	<i>Generated by staff/students on campus</i>
eWastes	<i>Generated by staff/students on campus</i>
Bulbs & Ballasts	<i>Generated by staff/students on campus</i>
Batteries	<i>Generated by staff/students on campus</i>
Oil & Grease	<i>Generated by staff/students on campus</i>
Yard Wastes	<i>Generated by staff/students on campus</i>
Used Furniture	<i>Generated by staff/students on campus</i>
Other / Non-Recyclable	<i>Generated by staff/students on campus</i>

**Note:** When completing this form, write “n/a” in the columns where the entity will not produce any waste for a category of waste.

#### IV. MANAGEMENT OF WASTE

For each category of waste listed below, indicate which waste items will be disposed or reused/recycled and how each item will be managed at the entity(ies).

<b>Category</b>	<b>Waste to be Disposed</b>	<b>Reused or Recycled Waste</b>
PET (#1) plastic food and beverage bottles	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Glass food and beverage bottles/jars	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Aluminum food and beverage cans	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Steel food and beverage cans	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Gable Top Containers	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Aseptic Containers	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Polypropylene (#5 Plastics)	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Boxboard shoe boxes, cereal boxes, etc.	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Newsprint	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Glossy magazines, catalogues, flyers	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Fine paper	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Cardboard	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Paper towels	<i>Staff/Students place in garbage</i>	<i>No recycling program implemented.</i>
Organics / Food Waste	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in organics containers.</i>
Coffee cups	<i>Staff/Employees may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
HDPE (#2) plastic jugs, crates, totes and drums	<i>Staff/students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
PVC (#3) plastics	<i>Staff/students place in garbage</i>	<i>No recycling program implemented.</i>
LDPE (#4) plastic film	<i>Staff/students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Polystyrene (#6)	<i>Staff/students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Other Plastics (#7)	<i>Staff/students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Scrap Metals	<i>Staff/students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Scrap Woods	<i>Staff/students may place in garbage</i>	<i>Staff may reuse materials (pallets).</i>
eWastes	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Bulbs & Ballasts	<i>Staff/Students may place in garbage</i>	<i>Staff may place in recycling containers.</i>
Batteries	<i>Staff/Students may place in garbage</i>	<i>Staff/Students may place in recycling containers.</i>
Oil & Grease	<i>Staff may place in garbage</i>	<i>Staff may place in recycling containers.</i>
Yard Wastes	<i>Staff may place in garbage</i>	<i>Staff may place in recycling containers.</i>
Used Furniture	<i>Staff may place in garbage</i>	<i>Staff may place in recycling containers.</i>
Other / Non-Recyclable	<i>Staff/students place in garbage</i>	<i>Not applicable.</i>

**Note:** When completing this form, write "n/a" in the columns where the entity will not produce any waste for a category of waste.

V. ESTIMATED QUANTITY OF WASTE PRODUCED

Categories of Waste	Estimated Amount of Waste											
	Generated			Reduced/Reused			Recycled			Disposed		
	"A"	"B"	"C" *	"A"	"B"	"C" *	"A"	"B"	"C" *	"A"	"B"	"C" *
	Base Year	Current Year	Change (B - A)	Base Year	Current Year	Change (B - A)	Base Year	Current Year	Change (B - A)	Base Year	Current Year	Change (B - A)
Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	
PET (#1) plastic food and beverage bottles	126.42	58.70	-67.71	0.00	17.26	17.26	103.06	21.46	-81.60	23.35	19.98	-3.37
HDPE Containers	16.56	6.68	-9.88	0.00	0.00	0.00	13.92	5.65	-8.27	2.64	1.04	-1.60
Polypropylene (#5 Plastic)	1.97	44.39	42.42	0.00	0.00	0.00	0.34	22.32	21.98	1.63	22.07	20.45
Polystyrene (#6 Plastic)	0.00	12.29	12.29	0.00	0.00	0.00	0.00	5.30	5.30	0.00	6.99	6.99
Aluminum food and beverage cans	32.90	6.62	-26.28	0.00	0.00	0.00	26.95	4.41	-22.53	5.95	2.20	-3.75
Steel food and beverage cans	0.00	20.27	20.27	0.00	0.00	0.00	0.00	12.74	12.74	0.00	7.53	7.53
Glass food and beverage bottles/jars	39.35	3.62	-35.73	0.00	0.49	0.49	29.36	2.06	-27.30	9.99	1.07	-8.91
Gable Top/Milk Containers	28.89	22.92	-5.97	0.00	0.00	0.00	21.18	19.36	-1.83	7.70	3.57	-4.14
Aseptic / Tetra Paks	9.72	11.14	1.42	0.00	0.00	0.00	6.33	9.20	2.87	3.39	1.94	-1.44
Fine paper	247.21	68.57	-178.64	0.00	0.00	0.00	235.53	62.00	-173.53	11.68	6.57	-5.11
Newsprint	306.80	4.86	-301.94	0.00	0.00	0.00	297.79	4.38	-293.41	9.01	0.47	-8.53
Boxboard shoe boxes, cereal boxes, etc.	97.37	167.10	69.73	0.00	0.00	0.00	83.35	115.66	32.31	14.02	51.44	37.42
Glossy magazines, catalogues, flyers, books	66.05	132.98	66.93	0.00	4.37	4.37	62.25	90.10	27.85	3.80	38.51	34.71
Corrugated Cardboard	34.32	62.19	27.87	0.00	0.00	0.00	29.40	58.14	28.74	4.92	4.05	-0.87
Paper Towels	12.43	103.47	91.05	0.00	0.00	0.00	0.00	0.00	0.00	12.43	103.47	91.05
Coffee Cups	58.01	23.08	-34.93	0.00	0.00	0.00	0.86	0.00	-0.86	57.15	23.08	-34.07
Organics	553.41	391.13	-162.28	0.00	0.00	0.00	314.03	287.56	-26.48	239.37	103.57	-135.80
#2 Plastic (HDPE) - totes, bins, etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#3 Plastic (PVC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#4 Plastic Films (LDPE)	0.30	22.25	21.95	0.00	0.00	0.00	0.00	0.00	0.00	0.30	22.25	21.95
#6 Plastic Styrofoam	3.30	4.59	1.29	0.00	0.00	0.00	0.00	0.00	0.00	3.30	4.59	1.29
#7 Other Plastics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lab Glass/Plastics	0.00	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.31
Scrap Metal	24.04	38.82	14.78	0.00	0.00	0.00	23.85	34.89	11.04	0.19	3.93	3.74
Scrap Wood/Pallets	8.38	1.36	-7.03	8.10	0.00	-8.10	0.00	0.00	0.00	0.28	1.36	1.07
Electronic Wastes	10.10	15.22	5.12	0.00	0.00	0.00	9.44	13.11	3.67	0.66	2.12	1.45
Fluorescent Bulbs	2.75	1.97	-0.79	0.00	0.00	0.00	2.75	1.97	-0.79	0.00	0.00	0.00
Batteries	0.87	2.71	1.84	0.00	0.00	0.00	0.87	2.20	1.34	0.00	0.51	0.51
Printer Toners	1.17	0.27	-0.90	1.17	0.27	-0.90	0.00	0.00	0.00	0.00	0.00	0.00
Oil & Grease	7.57	0.91	-6.66	0.00	0.00	0.00	7.57	0.91	-6.66	0.00	0.00	0.00
Yard Wastes	18.55	54.61	36.06	0.00	0.00	0.00	18.55	54.61	36.06	0.00	0.00	0.00
Used Furniture/Donations	20.00	1.30	-18.70	20.00	1.30	-18.70	0.00	0.00	0.00	0.00	0.00	0.00
Construction	0.00	44.42	44.42	0.00	0.00	0.00	0.00	44.42	44.42	0.00	0.00	0.00
Other/Nonrecyclable	456.40	181.66	-274.75	0.00	0.00	0.00	0.00	0.00	0.00	456.40	181.66	-274.75
<b>Total</b>	<b>2184.83</b>	<b>1510.41</b>	<b>-674.43</b>	<b>29.27</b>	<b>23.68</b>	<b>-5.59</b>	<b>1287.38</b>	<b>872.44</b>	<b>-414.94</b>	<b>868.18</b>	<b>614.29</b>	<b>-253.89</b>
<b>Percent Change (C ÷ A x 100)</b>			<b>-30.9%</b>			<b>-19.1%</b>			<b>-32.2%</b>			<b>-29.2%</b>

Note: When completing this form, write "n/a" in the "Estimated Amount of Waste Produced" column where the entity will not produce any waste for a category of waste

\* Fill out these columns each year following the initial waste audit or baseline year to determine the progress that is being made by your waste reduction program

Base year taken as 2012

**VI. EXTENT TO WHICH MATERIALS OR PRODUCTS USED OR SOLD BY THE ENTITY CONSIST OF RECYCLED OR REUSED MATERIALS OR PRODUCTS**

Please answer the following questions:

1. Do you have a management policy in place that promotes the purchasing and/or use of materials or products that consist of recycled and/or reused materials or products? If yes, please describe.

*No formal “green” purchasing policy is in place at Brock U. However, the different purchasing departments at Brock U do consider environmental impacts of their purchases when ever options are available and feasible.*

2. Do you have plans to increase the extent to which materials or products used or sold\* consist of recycled or reused materials or products? If yes, please describe.

*Not applicable.*

\* Information regarding materials or products “sold” that consist of recycled or reused materials or products is only required from owner(s) of retail shopping establishments and the owner(s) or operator(s) of large manufacturing establishments.

Please attach any additional page(s) as required to answer the above questions.

<b>I hereby certify that the information provided in this Report of Waste Audit is complete and correct.</b>		
<b>Signature of authorized official:</b>	<b>Title:</b>	<b>Date:</b>

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**Appendix D**

**Waste Reduction Work Plan**

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**Ministry of the Environment Waste Form**  
**Report of a Waste Reduction Work Plan**  
**Industrial, Commercial and Institutional Establishments**

As required by O. Reg. 102/94

*This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and a copy retained on file for at least five years after it is prepared, and be made available to the ministry upon request.*

**I. GENERAL INFORMATION**

<b>Name of Owner and/or Operator of Entity(ies) and Company Name:</b> Brock University			
<b>Name of Contact Person:</b> Jay Ismailovic		<b>Telephone #:</b> 905-688-5550 x4803	<b>Email address:</b> jismailovic@brocku.ca
<b>Street Address(es) of Entity(ies):</b> 1812 Sir Isaac Brock Way			
<b>Municipality:</b> St. Catharines, Ontario, L2S 3A1			
<b>Type of Entity (check one)</b>			
Retail Shopping Establishments	<input type="checkbox"/>	Hotels and Motels	<input type="checkbox"/>
Retail Shopping Complexes	<input type="checkbox"/>	Hospitals	<input type="checkbox"/>
Office Buildings	<input type="checkbox"/>	Educational Institutions	<b>X</b>
Restaurants	<input type="checkbox"/>	Large Manufacturing Establishments	<input type="checkbox"/>

Note: O. Reg. 102/94 does not apply to multi-unit residential buildings.

**II. DESCRIPTION OF THE ENTITY**

<p>Provide a brief overview of the entity(ties):</p> <p>Brock University is an educational institution with approximately 18,639 students (full and part-time undergraduate and graduate in 2022/23) which satisfies Part X of Ontario Regulation 102/94 &amp; 103/94. O.Reg. 102/94 requires operators of educational institutions with more than 350 full- or part-time students enrolled during the calendar year to conduct an annual waste audit and implement a waste reduction work plan. O.Reg. 103/94 requires that source separation programs be implemented and maintained for fine papers, newsprint, aluminum cans, steel cans, glass beverage containers and corrugated cardboard. Brock U undertook this audit in order to assist them in reducing wastes generated on campus and/or disposed to landfill, while being in compliance with the required Regulations.</p>
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### III. PLANS TO REDUCE, REUSE AND RECYCLE WASTE

<p>For each category of waste described in Part V of “Report of a Waste Audit” (on which this plan is based), explain what your plans are to Reduce, Reuse and Recycle the waste, including: 1) how the waste will be source separated at the establishment, and 2) the programs to reduce, reuse and recycle all source separated waste.</p>	
<p><b>Waste Category</b> (as stated in Part V of your “Report of a Waste Audit”)</p>	<p><b>Source Separation and 3Rs Program</b></p>
<p>Cardboard</p>	<p><u>“Cardboard 3Rs Program”</u>  <u>Reduce:</u> Suppliers will be encouraged to make use of reusable containers for the shipment of supplies to Brock University.  <u>Reuse:</u> Cardboard boxes will be reused for shipments when appropriate.  <u>Recycle:</u> Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.</p>
<p>Mixed Containers/ Plastics (PET, HDPE, LDPE, PP, PS, Aluminum, Steel, Glass, Aseptic)</p>	<p><u>“Mixed Recycling 3Rs Program”</u>  <u>Reduce:</u> Staff/Students will be encouraged to bring reusable containers food/beverage containers for lunch and breaks. Brock University will encourage suppliers to reduce the amount of polystyrene used to transport supplies. Brock University will encourage suppliers to reduce the amount of plastic film and wrapping materials used to transport supplies. Brock U added eleven new water bottle refilling stations on campus, bringing the total to 20 water bottle refilling stations. These stations helped the university reduce the amount of plastic water bottles used on campus.  <u>Reuse:</u> Staff/Students will be encouraged to reuse plastic crates and totes wherever possible.  <u>Recycle:</u> Staff/Students will be provided with recycling bins in high waste generating areas and food service areas for mixed containers/plastics. Staff/Students will be encouraged to place mixed containers/plastics in appropriate recycling bins with appropriate signage affixed to the receptacle. Receptacles will be emptied on a regular basis before they become full into large roll away bins for collection by Niagara Recycling on a weekly basis.</p>
<p>Mixed Papers (Fine Paper, newsprint, boxboard, magazines, molded papers, kraft, catalogues, flyers, etc)</p>	<p><u>“Mixed Recycling 3Rs Program”</u>  <u>Reduce:</u> Staff/Students will be encouraged to print on both sides of each piece of paper as well as not print when it is unnecessary. Staff/Students will be encouraged to take reading materials home with them after they are finished with them. Staff and students will be sent, via email, news sources that are available online opposed to purchasing paper copies of news.  <u>Reuse:</u> Discarded paper with print only on one side will be used for note pads/scrap paper. Staff/Students will be encouraged to leave newspapers they are finished reading in common areas for others to read. Textbooks collected for donations.  <u>Recycle:</u> Staff/Students will be provided with instructions via email. Receptacles will be provided in each office, classroom and high waste generating areas. Staff/Students will be encouraged to place newsprint, fine paper, boxboard, magazines, molded papers, etc in appropriate recycling receptacles. Staff/Students will empty receptacles into centralized containers. Custodial Staff/Students will empty centralized containers into bulk container in designated area for collection by Niagara Recycling on a weekly basis.</p>
<p>Confidential Papers</p>	<p><u>“Confidential Paper 3Rs Program”</u>  <u>Reduce:</u> None.  <u>Reuse:</u> None.  <u>Recycle:</u> Staff/Students will be reminded of the existing program. Receptacles will be provided in each designated office area as required. Staff/Students will be encouraged to place all confidential paper in the designated consoles. Contactor will empty consoles appropriately for shredding and recycling as required.</p>
<p>Paper Towels</p>	<p><u>“Hand Dryer 3Rs Program”</u>  <u>Reduce:</u> Replace paper towels in washrooms with hand dryers. Reusable towels will be encouraged for the classrooms and offices when it does not pose a health risk.  <u>Reuse:</u> None.  <u>Recycle:</u> Staff/students will be encouraged to place paper towels in the organics collection bins.</p>
<p>Scrap Metals</p>	<p><u>“Scrap Metals 3Rs Program”</u>  <u>Reduce:</u> Brock University will investigate through metal optimization study to insure steel is</p>

	<p>used with as little scrap generated as possible.</p> <p><u>Reuse:</u> None.</p> <p><u>Recycle:</u> Staff will be reminded of the existing program. Scrap conveyor system will be maintained and Service Provider will collect scrap metals for recycling.</p>
Organics	<p><u>“Organics 3Rs Program”</u></p> <p><u>Reduce:</u> Students will be encouraged to bring uneaten food items home after lunch breaks or uneaten. Non-perishable food items can be donated to a local food drive.</p> <p><u>Reuse:</u> Staff/Students provided with reusable china in some food service areas.</p> <p><u>Recycle:</u> Staff/Students will be continually reminded of the existing program. Kitchen staff &amp; cleaners trained on where to dispose of waste correctly. Additional bins added to the university food service areas to capture organic materials. Signs improved relating to organics program to assist staff/students in sorting organic stream correctly. Selling of disposable food containers discouraged on campus, and if sold, containers should be compostable. Updated organics handouts for staff/student education/training program. Training of food service staff regarding improvements to organics program. Pulping unit installed at main cafeteria.</p>
Coffee Cups	<p><u>“Coffee Cups 3Rs Program”</u></p> <p><u>Reduce:</u> Staff/Students will be encouraged to use reusable coffee mugs and water bottles.</p> <p><u>Reuse:</u> None.</p> <p><u>Recycle:</u> Staff/Students will be reminded of the existing program. Staff/students will be encouraged to place Coffee/Drink Cups in a separate bin if Brock University can find a feasible program to recycle/compost the coffee and drink cups.</p>
Oil & Grease	<p><u>“Oil &amp; Grease 3Rs Program”</u></p> <p><u>Reduce:</u> None.</p> <p><u>Reuse:</u> None.</p> <p><u>Recycle:</u> Staff/Students will be reminded of the existing program.</p>
3 B’s (Bulbs, Ballasts, Batteries)	<p><u>“3 B’s 3Rs Program”</u></p> <p><u>Reduce:</u> None.</p> <p><u>Reuse:</u> None.</p> <p><u>Recycle:</u> Staff/Students will be reminded of the existing program.</p>
Electronic Wastes	<p><u>“eWaste 3Rs Program”</u></p> <p><u>Reduce:</u> None.</p> <p><u>Reuse:</u> Staff/students will be encouraged to reuse/donate electronic wastes if possible. .</p> <p><u>Recycle:</u> Staff/Students will be reminded of the existing program. Program to be expanded campus wide. IT Department to continue collecting for proper recycling of waste materials. Collection program during residence move-out week to be continued.</p>
Yard Wastes	<p><u>“Yard Wastes 3Rs Program”</u></p> <p><u>Reduce:</u> None.</p> <p><u>Reuse:</u> None.</p> <p><u>Recycle:</u> Staff will be reminded of the existing program. Grass clippings to be left after mowing. Trimmings to be mulched and/or recycled/composted off-site via contractor. Saw dust from wood shop dust collector to be used in mulch.</p>
Wood Pallets/Scrap Woods	<p><u>“Wood Pallets 3Rs Program”</u></p> <p><u>Reduce:</u> Staff to monitor use of Pallet to eliminate/reduce broken pallets.</p> <p><u>Reuse:</u> Staff will be reminded of the existing program. Staff/Students will be encouraged to use scrap wood before new wood is purchased for use at the University.</p> <p><u>Recycle:</u> Staff will be reminded of sawdust recycling program relating to wood shop dust collector. Broken Pallets to be recovered and reused when possible.</p>
Printer Toners	<p><u>“Printer Toners 3Rs Program”</u></p> <p><u>Reduce:</u> None.</p> <p><u>Reuse:</u> Staff/Students will be reminded of the existing program. IT Department to continue collecting for proper handling of waste materials. Students will be encouraged to return printer cartridges to suppliers/retailers who offer return programs (such as Staples).</p> <p><u>Recycle:</u> None.</p>
Clothing/Textiles	<p><u>“Glove &amp; Rag 3Rs Program”</u></p> <p><u>Reduce:</u> Staff/Students will be encouraged to use gloves for multiple tasks before placing in the reuse receptacles.</p> <p><u>Reuse:</u> Staff/Students will be encouraged to re-use gloves and cleaning cloths for multiple tasks before disposing.</p> <p><u>Recycle:</u> None.</p>
Used Furniture	<p><u>“Used Furniture 3Rs Program”</u></p>

	<p><u>Reduce:</u> None.</p> <p><u>Reuse:</u> Staff/Students will be reminded of the existing program. Staff/Students will be encouraged to reuse used furniture before new furniture is purchased for use at the University</p> <p><u>Recycle:</u> None.</p>
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**IV. RESPONSIBILITY FOR IMPLEMENTING THE WASTE REDUCTION WORK PLAN**

<p>Identify who is responsible for implementing the Waste Reduction Work Plan at your entity(ies). If more than one person is responsible for implementation, identify each person who is responsible and indicate the part of the Waste Reduction Work Plan that each person is responsible for implementing.</p>		
Name of Person	Responsibility	Telephone #
Jay Ismailovic	All recycling programs*	905-688-5550 x4803
	(or will direct question/comment to appropriate person)	

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**V. TIMETABLE FOR IMPLEMENTING WASTE REDUCTION WORK PLAN**

<p>Provide a timetable indicating when each Source Separation and 3Rs program of the Waste Reduction Work Plan will be implemented.</p>	
Source Separation and 3Rs Program	Schedule for Completion
Cardboard	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered. Review operational improvements (Replace baler with compactor)</i>
Mixed Recycling	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered. Single stream program implemented at Village Residences.</i>
Confidential Papers	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
Scrap Metals	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
Organics	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered. Additional organics bins to be purchased and installed in high traffic areas, as well as kitchenettes in office areas. Instructions to staff and students regarding expanded 3Rs program to occur in advance of program implementation.</i>
Coffee Cups	<i>3Rs Program currently in place. Additional recycle bins dedicated to coffee cups to be purchased and placed in high traffic areas, office areas, and outdoor bins. Continual improvement of existing program regarding signage and additional promotional campaigns to be considered to increase capture rate of material. Instructions to staff and students regarding expanded 3Rs program to occur in advance of program implementation.</i>
Oil & Grease	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
3 B's (Bulbs, Ballasts, Batteries)	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
eWaste	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
Yard Wastes	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
Scrap Wood/ Wood Pallets	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
Printer Toners	<i>3Rs Program currently in place. Continual improvement to signage and additional</i>

	<i>promotional campaigns to be considered.</i>
Used Furniture	<i>3Rs Program currently in place. Continual improvement to signage and additional promotional campaigns to be considered.</i>
Hand Dryer Program	<i>Hand Dryer Program is being considered, which would primarily focus on replacing paper towels in washrooms with hand dryers.</i>
Glove and Rag Reuse Program	<i>Glove and Rag Reuse Program is being considered.</i>
Lab Glass Recycling Program	<i>Investigate the feasibility of implementing a recycle program for lab glass in all lab areas on campus. If feasible, appropriate recycle bins to be purchased and installed in lab areas. Instructions to staff and students regarding new 3Rs program to occur in advance of program implementation.</i>
Garbage Density Study	<i>Continue to investigate the actual density of garbage disposed to landfill. Confirm the density of garbage disposed in front-end bins, as well as confirm weights of Central Shipping 8 yd<sup>3</sup> compactor.</i>
Mixed Container & Mixed Paper Tote Study	<i>Conduct a study to verify average mixed container and mixed paper tote weights as well to conduct an inventory of bins on-campus. It is recommended that the total number of totes picked-up per week be verified.</i>
Organic Tote Study	<i>Conduct a study to verify organic tote weights as well to conduct an inventory of all organic totes on-campus. It is recommended that the total number of totes picked-up per week be verified.</i>
Cardboard Bale Study	<i>Conduct a study to verify effectiveness of cardboard system. Investigate feasibility of existing baling system, compared to switching to compactor system.</i>

## **VI. COMMUNICATION TO STAFF, CUSTOMERS, GUESTS AND VISITORS**

Explain how the Waste Reduction Work Plan will be communicated to employees, customers, tenants, guests/visitors and students:
Explain how the Waste Reduction Work Plan will be communicated to employees, customers, tenants, guests/visitors and students. Sustainability committee will review and develop a workplan to be posted on University's computer bulletin board for staff and students. Additional promotional campaigns will also be considered to target specific audiences for specific programs. Continue to improve educational materials (hand-outs, flyers) and signage across campus as required.

## VII. ESTIMATED WASTE PRODUCED BY MATERIAL TYPE AND THE PROJECTED AMOUNT

Material Categories (as stated in Part III)	Estimated Annual Waste Produced * (tonnes)	Name of Proposed 3Rs Program (as stated in Part III)	Projections to Reduce, Reuse or Recycle Waste (tonnes)			Estimated Annual Amount to be Diverted ** (%)
			Reduce	Reuse	Recycle	
PET (#1) plastic food and beverage bottles	58.70	Mixed Recycling 3Rs Program		17.26	26.77	75%
HDPE Containers	6.68	Mixed Recycling 3Rs Program		0.00	4.34	65%
Polypropylene (#5 Plastic)	44.39	Mixed Recycling 3Rs Program		0.00	28.85	65%
Polystyrene (#6 Plastic)	12.29	Mixed Recycling 3Rs Program		0.00	7.99	65%
Aluminum food and beverage cans	6.62	Mixed Recycling 3Rs Program		0.00	4.96	75%
Steel food and beverage cans	20.27	Mixed Recycling 3Rs Program		0.00	13.17	65%
Glass food and beverage bottles/jars	3.62	Mixed Recycling 3Rs Program		0.49	2.77	90%
Gable Top/Milk Containers	22.92	Mixed Recycling 3Rs Program		0.00	20.17	88%
Aseptic / Tetra Paks	11.14	Mixed Recycling 3Rs Program		0.00	7.24	65%
Fine paper	68.57	Mixed Recycling & Confidential Paper 3Rs Programs		0.00	60.34	88%
Newsprint	4.86	Mixed Recycling 3Rs Program		0.00	4.28	88%
Boxboard shoe boxes, cereal boxes, etc.	167.10	Mixed Recycling 3Rs Program		0.00	130.34	78%
Glossy magazines, flyers, textbooks	132.98	Mixed Recycling 3Rs Program		4.37	102.02	80%
Corrugated Cardboard	62.19	Cardboard 3Rs Program		0.00	52.86	85%
Paper Towels	103.47	No 3Rs Program		0.00	0.00	NA
Coffee Cups	23.08	Coffee Cup 3Rs Program		0.00	5.77	25%
Organics	391.13	Organics 3Rs Program		0.00	234.68	60%
#2 Plastic (HDPE) - totes, bins, etc	0.00	Mixed Recycling 3Rs Program		0.00	0.00	65%
#3 Plastic (PVC)	0.00	Mixed Recycling 3Rs Program		0.00	0.00	65%
#4 Plastic Films (LDPE)	22.25	No 3Rs Program		0.00	0.00	NA
#6 Plastic Styrofoam	4.59	No 3Rs Program		0.00	0.00	NA
#7 Other Plastics	0.00	Mixed Recycling 3Rs Program		0.00	0.00	50%
Lab Glass/Plastics	0.31	No 3Rs Program		0.00	0.00	NA
Scrap Metal	38.82	Scrap Metals 3Rs Program		0.00	33.38	86%
Scrap Wood/Pallets	1.36	Wood Pallets 3Rs Program		0.00	0.00	70%
Electronic Wastes	15.22	eWaste 3Rs Program		0.00	14.46	95%
Fluorescent Bulbs	1.97	Bulbs 3Rs Program		0.00	1.97	100%

Batteries	2.71	Batteries 3Rs Program		0.00	2.52	93%
Printer Toners	0.27	Printer Toners 3Rs Program		0.27	0.00	100%
Oil & Grease	0.91	Oil & Grease 3Rs Program		0.00	0.91	100%
Yard Wastes	54.61	Yard Wastes 3Rs Program		0.00	54.61	100%
Used Furniture	1.30	Used Furniture 3Rs Program		1.30	0.00	100%
Construction	44.42	Construction 3Rs Program		0.00	44.42	100%
Other/Non-recyclable	181.66	No 3Rs Program		0.00	0.00	NA

\* *Estimated Waste Produced = Waste Diverted (3Rs) + Waste Disposed*

\*\* *Estimated Waste Diversion Rate = Amount of Waste Diverted (3Rs) ÷ Estimated Waste Produced x 100%*

**I hereby certify that the information provided in this Waste Reduction Work Plan is complete and correct.**

<b>Signature of authorized official:</b>	<b>Title:</b>	<b>Date:</b>