



# SDK Environmental

## Consulting & Services

**University of Toronto**  
**Summer 2022 Solid Non-Hazardous Waste Audit**  
Ontario Regulation 102/94

Prepared for:

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## Executive Summary

The Facilities & Services Department of the University of Toronto (UofT) retained the services of SDK Environmental to conduct a solid non-hazardous waste audit in June 2022 at the St. George Campus located in downtown Toronto, Ontario. The waste audit was designed to examine representative samples of garbage from eighteen buildings over a five (5) day period to gain an understanding of the quantities and composition of solid wastes generated on campus. A multi-day compactor study was also conducted to visually assess compactor loads for contamination with source separated recyclables.

A total waste sample weighing approximately 407 kg was collected and audited between June 13 and 17, 2022. Garbage was collected from the various functional areas in each building, including cafeterias, offices, public areas, laboratories, washrooms and living areas. The following list summarizes the overall garbage composition determined from the waste audit:

- Total Mixed Papers: 29.9%
- Compostable Fibres: 25.2%
- Non-recyclable: 14.7%
- Organic Food Waste 12.7%
- Total Mixed Containers: 6.1%
- Coffee Cups: 5.2%
- Corrugated Cardboard: 1.8%
- Other Fibre Drink Cups: 1.4%
- Textiles: 0.8%
- #4 Plastics (LDPE): 0.6%
- Personal Protective Equipment: 0.4%
- Electronic Wastes: 0.4%
- Styrofoam: 0.4%
- Mixed Plastics, Scrap Woods, Scrap Metals: Each <= 0.1%

Waste diversion programs are implemented on campus for cardboard, paper fibres, mixed containers, scrap wood, scrap metal, paper towels, coffee cups, light bulbs, electronic goods, yard waste, animal bedding, soil, asphalt, polystyrene, and organics. Through discussions with UofT personnel and service providers, estimates of the annual amounts of waste materials generated were determined. The total amount of waste material generated and diverted from landfill between May 2020 and April 2021 is summarized in the following table:

Material	Total Waste (Metric Tonnes)	Percent
Waste Disposed to Landfill	791.11	29.4%
Total Material Diverted	1902.71	70.6%
<b>Total Waste Generated</b>	<b>2693.82</b>	<b>100%</b>

Based on the total amount of waste generated and materials diverted, the waste diversion rate at UofT is approximately 71%. The facility's waste diversion rate exceeds the Ministry of the Environment, Conservation & Parks (MECP) provincial objective of 60% waste diversion. UofT's management team are interested in reducing wastes disposed to landfill and maintaining a high waste diversion rate.

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## 1 Introduction

The Facilities & Services Department of the University of Toronto (UofT) retained the services of SDK Environmental to conduct a solid non-hazardous waste audit in June 2022 at the St. George Campus located in downtown Toronto, Ontario. The waste audit was designed to examine representative samples of garbage from eighteen buildings over a five (5) day period to gain an understanding of the quantities and composition of solid wastes generated on campus. A multi-day compactor study was also conducted to visually assess compactor loads for contamination with source separated recyclables.

UofT is a large multi-building community with approximately 60,000 students, staff and faculty occupying approximately 140 buildings that generate waste and recycling materials. According to UofT's website, 65,246 Full-Time Equivalent (FTE) undergraduate students attended the university in 2020-21 (Refer to Appendix A). UofT conducted the waste audit to comply with the requirements of O.Reg. 102/94. UofT is interested in waste reduction solutions to reduce the amount of wastes disposed to landfill as well as their overall impact on the environment.

*Note: The waste audit was conducted during the COVID-19 pandemic response. Occupancy and operations at the university were impacted. The collected waste audit samples and annual service records may not be representative of typical operations and caution should be used when comparing sample data and annual service data between 2020/21/22 and different years at the facility.*

### 1.1 Purpose

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

- Comply with Ontario Regulation 102/94 – Waste Audits and Waste Reduction Work Plans Part XI, which requires educational institutions to conduct a waste audit covering the waste generated by the establishment, and prepare and implement a waste reduction work plan on an annual basis if, at the location or campus, at any time during the calendar year, more than 350 persons are enrolled (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 the facility resulting from existing waste reduction, reuse, and recycling programs;
- Identify and quantify the composition and point of generation of waste at the facility;
- Identify any additional opportunities for waste reduction and diversion that may exist at the facility; 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 at UofT between June 13 & 17, 2022 (note: on-site waste audit sampling conducted by Waste Reduction Group Inc);
- Conducted a compactor study at an off-site transfer station between June 20 & 23, 2022 (note: off-site compactor study conducted by Waste Reduction Group Inc);
- Determined the total quantity of waste diverted from landfill through existing reduction, reuse, and recycling (3Rs) programs at the facility;
- 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 sets out who will implement each part of the plan, when each part will be implemented and what the expected results shall be.

## 2 Methodology

The Facilities & Services Department conducts an annual waste audit of UofT's St. George Campus, alternating specific buildings being audited and time of year. Per discussions with UofT personnel, the locations summarized in Table 1 were audited in the Summer of 2022.

**Table 1: Summer 2022 Waste Audit Sample Summary**

Date	Physical Waste Audit - Building/Location
Jun. 13, 2022	Rehabilitation Sciences Building, Faculty of Dentistry, Chestnut Residence
Jun. 14, 2022	OISE, Faculty of Social Work, Goldring Centre for High Performance
Jun. 15, 2022	Robarts Library, School of Continuing Studies, Jackman Humanities, Innis College
Jun. 16, 2022	Leslie Dan Faculty of Pharmacy, FOE, Early Learning Centre, Co-Op Daycare
Jun. 17, 2022	Massey College, Innis College Residence, Rotman Commerce, Newman Centre
Date	Compactor Study – Building/Location
Jun. 20, 2022	Daniel's Architecture Building
Jun. 21, 2022	Health Sciences Building
Jun. 23, 2022	Sidney Smith Hall, Edward Johnson Building

A copy of the original waste audit schedules for the physical waste audit and compactor study are attached in Appendix A.

In coordination with the UofT staff, one (1) twenty-four hour sample of waste was collected from each of the identified buildings in the waste audit schedule. Bags of trash were collected and tagged with coloured labels describing the functional area within the building that generated the waste material, as summarized in Table 2a.

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

All Areas Excluding New College - Colour Tag	Functional Area
Blue	Office / Administrative Areas
Yellow	Laboratories
Black	Public Areas (Class rooms, lobbies, lounges, libraries, corridors, etc.)
Green	Cafeterias
Red	Washrooms
White	Living Areas

The tagged bags of wastes were brought to designated collection areas by UofT staff and placed in temporary plastic containers. The total bagged weight of all trash 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 waste categories, weighed, re-bagged and disposed of in appropriate garbage or recycling bins. Samples of garbage were sorted by qualified Waste Reduction Group staff. Some of the source separated materials collected by UofT for recycling (i.e. cardboard, organics, ewastes, printer toners, etc) were not collected and categorized during the audit (due to scope of waste audit) however the annual quantity of each material was reviewed and included in the audit results.

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

- 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, polystyrene, gable top, aseptic), organic wastes, paper towels, mixed plastics, Styrofoam, 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. Table 2b summarizes material categories and descriptions used in the waste audit.

**Table 2b: Description of Material Categories**

Material Category	Description
Compostable Fibres	Paper towels, paper napkins, toilet papers, facial tissues, etc.
Organic Food Waste	All edible and non-edible organic wastes that results from food items. This includes untouched and leftover bakery, meat & fish, dried food, fruits & vegetables, dairy, and other foods.
Non-recyclable	Materials that cannot go in dry-mixed recycling. This includes hazardous waste, black plastics, chip bags, furnace filters, laminated papers, rigid or durable plastics, non-recyclable glass, dust, single-use cleaning wipes, plastic straws and cutlery, and materials too small to process.
Total Mixed Containers	All #1 polyethylene terephthalate (PET), #2 high-density polyethylene (HDPE), and #6 non-expanded polystyrene (PS) plastics. This includes clear or coloured thermoform packaging, beverage bottles, non-beverage bottles used for food and non-food items, jugs, rigid food trays, cup and lids (does not include black plastics).
Total Mixed Papers	Mixed fine papers, writing paper, office paper copy paper, bills and statements, ad mail, lottery tickets, receipts, envelopes, promotional cards, promotional calendars, printer information found within packaged products, etc. This includes soft cover books, booklets, magazines, catalogues, calendars, flyers and inserts.
Personal Protective Equipment	Single or multi-use face masks (includes ear loop masks, procedure/surgical masks, medical masks, reusable cloth masks, N95 masks, disposable respirator, etc.). Disposable gloves used for protecting hands (includes latex, nitrile, rubber, plastic, vinyl, surgical-type gloves, etc.).
Lab Plastics	Multi-well plates, pipettes, bottles, flasks, vials, culture plates, etc.
Coffee Cups	Lined paper cups.
#4 Plastics (LDPE)	All #4 low-density polyethylene (LDPE) films. This includes soft, “stretchy” PE plastic used for items such as produce bags, overwrap for water bottles, garbage bags, kitchen liners, blue or clean recycling bags, sandwich and freezer bags, etc. (does not include black plastics).
Compostable Dishware	Compostable cups, take-out containers, cutlery marked with compostable symbols or descriptions.





	No small wood waste.
Take-out Food Packaging	All #5 polypropylene (PP) food packaging. This includes clear and coloured food containers, jugs, take-out beverage cups, bottles and jars for food items (does not include black plastics).
Textiles	Clothing and cloth-based items. This includes drapes, bedsheets, towels, outerwear, footwear, stuffed toys, purses, belts, bags, hat, scarves and mittens.
Cardboard	Waxed or unwaxed corrugated cardboard containers. This includes molded pulp materials such as egg cartons, drink trays, other trays, etc.
Styrofoam	White, coloured and black polystyrene foam packaging. This includes food trays, clamshells, foam "peanuts", foam blocks, etc.
Single-use Plastics	Materials that are made primarily from fossil-fuel-based chemicals (petrochemicals) and are meant to be disposed of right after use (i.e., coffee pods)
Bulbs	Incandescent, CFL, halogen, and LED light bulbs.
Scrap Metals	Copper pipes, hardware, etc. This includes multi-material items that are mainly metal.
Batteries	All single-use and rechargeable batteries. This includes alkaline-manganese, lithium, silver oxide, zinc air, zinc-carbon, etc.
Printer Toners	All ink cartridges and printer toners.
Mixed Plastics	All other recyclable plastics (#3, 4, 7). This includes clear and coloured bottles, jugs, jars, and containers.
Scrap Wood	Non-treated wood materials. This includes skids/pallets, wooden furniture, etc. (does not include branches, brush, or wood chips).
E-waste	All waste from electrical and electronic equipment (WEEE). Anything that is battery operated and/or can be plugged into an electrical outlet. This includes computer/IT equipment, telecom equipment, TV & audio equipment, small kitchen appliances, wires/chargers/adapters, gadgets, etc.

The categories listed above are above and beyond the standard O.Reg.103/94 categories for educational institutions and have been expanded to accommodate: a) UofT's request for more data than less and b) UofT's collection streams. An example sort sheet used for the waste audit is included in Appendix A. A detailed list of non-recyclable items is provided in Section 3.5 of the report.

Visual inspections of waste compactor loads were conducted between June 20 and June 24, 2022 to identify obvious divertible wastes that do not belong in the trash. Emphasis was placed on recyclable materials, large and special items such as furniture, electronics, scrap metals,

construction waste, large plastic items, and source separated recyclables that should not have been disposed in the garbage compactor by staff.

### 3 Waste Audit Results

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.

#### 3.1 Garbage Quantities and Distribution

In total, 406.59 kg of garbage materials were collected from garbage bins for the waste audit. Table 3 ranks the amount of garbage generated per building based on the audit results.

**Table 3: Quantity of Garbage Generated per Audited Building**

Building Name	Garbage Sample kg	Percentage <sup>(1)</sup> %
Robarts Library	97.93	24.1%
FOE	74.51	18.3%
Goldring Centre for High Performance	46.03	11.3%
Leslie Dan Faculty of Pharmacy	33.79	8.3%
Rotman Commerce	29.45	7.2%
Jackman Humanities Institute	24.01	5.9%
Early Learning Centre	18.05	4.4%
OISE	17.86	4.4%
Faculty of Social Work	17.38	4.3%
Innis College Residence	14.38	3.5%
Innis College	10.80	2.7%
Co-Op Day Care	6.05	1.5%
Rehabilitation Sciences Building	5.51	1.4%
Faculty of Dentistry	4.35	1.1%
Massey College	3.56	0.9%
School of Continuing Studies	2.93	0.7%
Chestnut Residence	No Sample	----
Newman Centre	No Sample	----
<b>Total</b>	<b>406.59</b>	<b>100.0%</b>

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

Based on the 24-hour sample results, Robarts Library, FOE, Goldring Centre for High Performance, Leslie Dan Faculty of Pharmacy, Rotman Commerce, Jackman Humanities Institute and Early Learning Centre were the most significant generators of garbage, representing approximately 80% of the sample (based on 24-hr period).

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

**Table 4: Quantity of Garbage Generated per Functional Area**

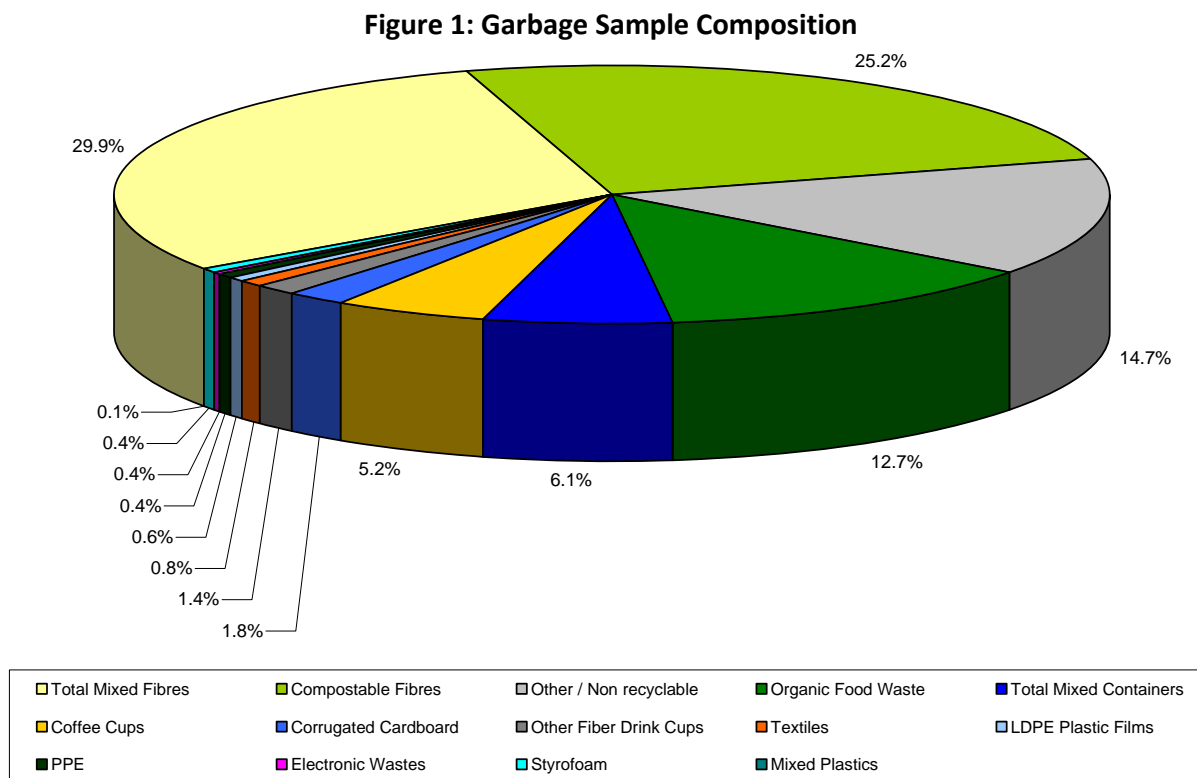
Functional Area	Garbage Sample kg	Percentage <sup>(1)</sup> %
Public Areas	134.87	33.2%
Cafeteria	81.42	20.0%
Office & Administrative	65.58	16.1%
Washrooms	51.17	12.6%
Living Area	34.71	8.5%
Unlabelled	23.50	5.8%
<b>Total</b>	<b>406.59</b>	<b>100.0%</b>

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

Therefore, Public areas, Cafeteria, Office & Administrative and Washrooms generated the most garbage on campus, representing approximately 82% of the waste audit sample.

### 3.2 Garbage Composition

Figure 1 summarizes the overall garbage composition generated at UofT based on the waste audit conducted on garbage bins in June 2022:



Note: Scrap metals and Scrap woods each present in quantities < 0.1% thus not included in graph for clarity.

Other/Non recyclables represent materials that cannot go in dry-mixed recycling. This includes black plastics, mop heads, mixed materials, contaminated materials, chip bags, furnace filters, laminated papers, rigid or durable plastics, non-recyclable glass, dust/sweepings, single-use cleaning wipes, plastic straws and cutlery, and materials too small to process.

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

Based on the waste audit results, it was estimated that approximately 29.9% (or 237 tonnes annually) of solid waste disposed to landfill consisted of mixed papers (fine papers, newsprint, boxboard, other paper fibres, etc). The most common types found were boxboard and fine papers. A mixed paper recycling program exists at UofT. This data suggests that better collection systems, improved signage and/or student/staff education programs may be required to improve the capture rate of this material. Fine paper and newsprint are mandatory recyclables at educational institutions per O.Reg.103/94.

Based on the waste audit results, it was estimated that approximately 25.2% (or 199 tonnes annually) of solid waste disposed to landfill consisted of compostable fibres (such as paper towels, napkins, toilet paper, facial tissue). All audited functional areas of buildings generated high quantities of this material. In general, it has been observed that more compostable fibres are present in the garbage stream due to the COVID-19 pandemic response. UofT may wish to investigate the feasibility of implementing an expanded paper towel recycling program to capture more of this material on campus in order to reduce the amount of this material disposed to landfill. Paper towels are not a mandatory recyclable material per O.Reg.103/94.

Based on the waste audit results, it was estimated that approximately 12.7% (or 101 tonnes annually) of solid waste disposed to landfill consisted of organic materials (i.e. food wastes). Organics were found in high amounts in most functional areas except labs and living areas. An organics compost program exists at UofT in designated areas. The results suggest that an expanded collection system, improved signage and/or student/staff education programs may be required to improve the capture rate of this material. Organics are not a mandatory recyclable material per O.Reg.103/94. However, according to Ontario's Food and Organic Waste Policy Statement, it is proposed that ICI Sectors will have to reduce and/or recover food and organic wastes between 50%-70% by 2025.

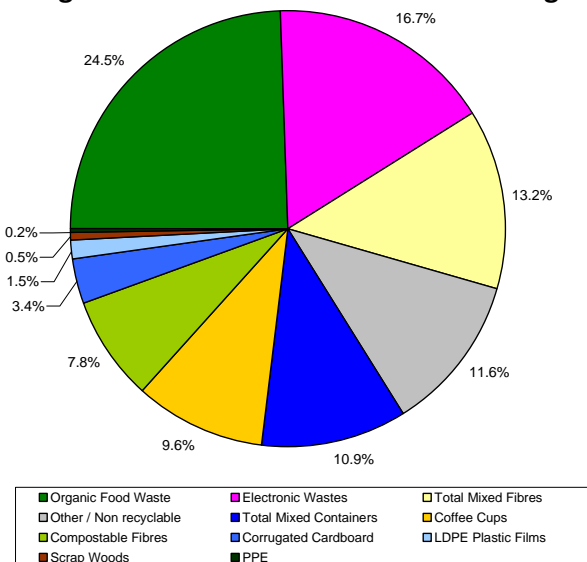
Based on the waste audit results, it was estimated that approximately 6.1% (or 48 tonnes annually) of solid waste disposed to landfill consisted of mixed containers (aluminum cans, glass jars, plastic bottles, tetra packs, milk cartons, etc). The most common types of materials found were PET (#1), aluminum and #5 plastic containers. A mixed container recycling program exists at UofT. This data suggests that better collection systems, improved signage and/or student/staff education programs may be required to improve the capture rate of this material. Glass, steel and aluminum food and beverage containers are mandatory recyclables at educational institutions per O.Reg.103/94.



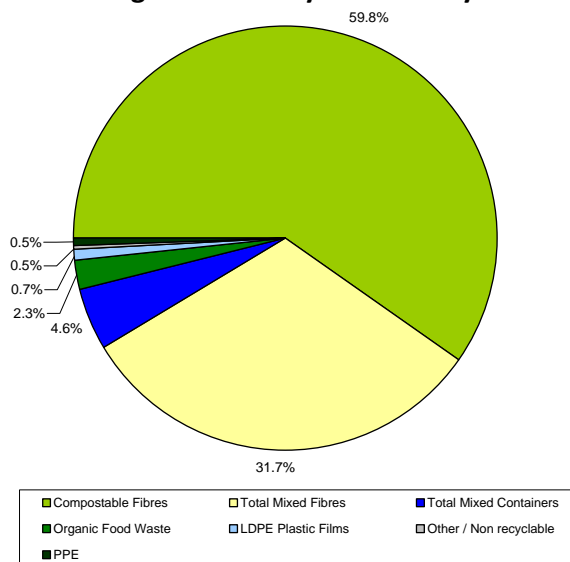
### 3.3 Garbage Composition per Building

Figures 2 through 17 summarize the garbage composition per building.

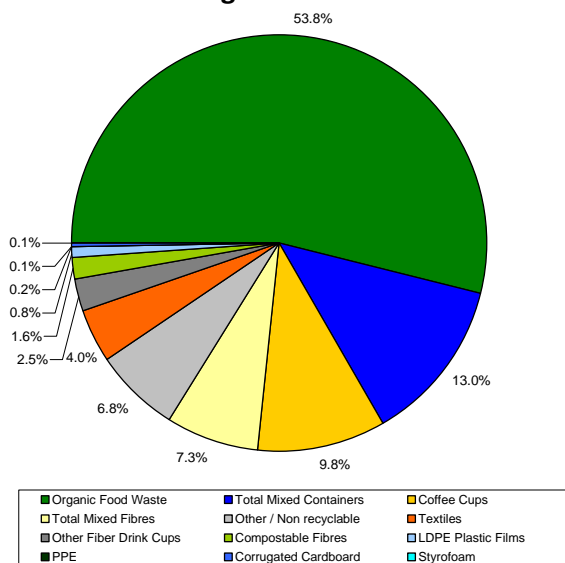
**Figure 2: Rehabilitation Sciences Building**



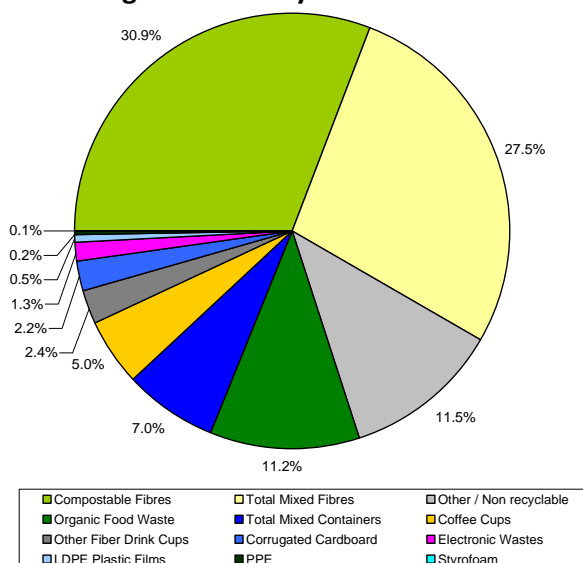
**Figure 3: Faculty of Dentistry**



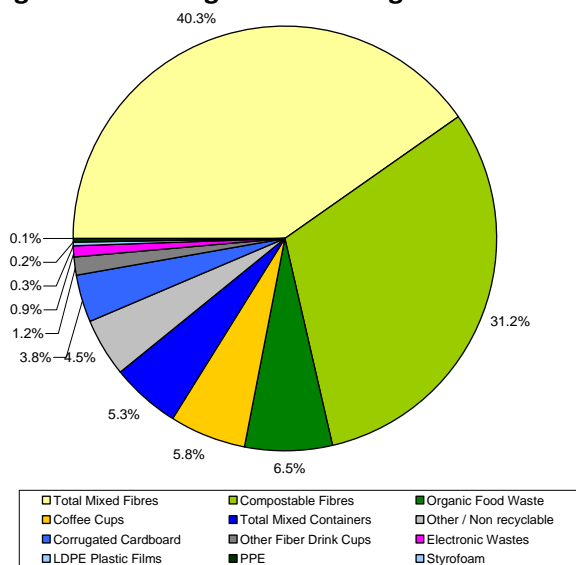
**Figure 4: OISE**



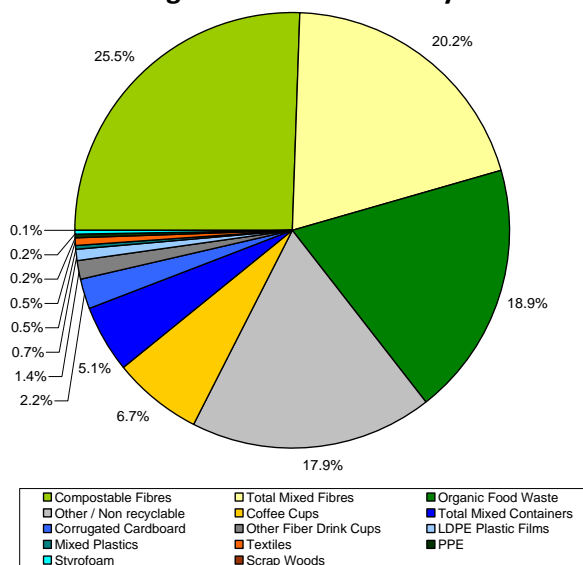
**Figure 5: Faculty of Social Work**



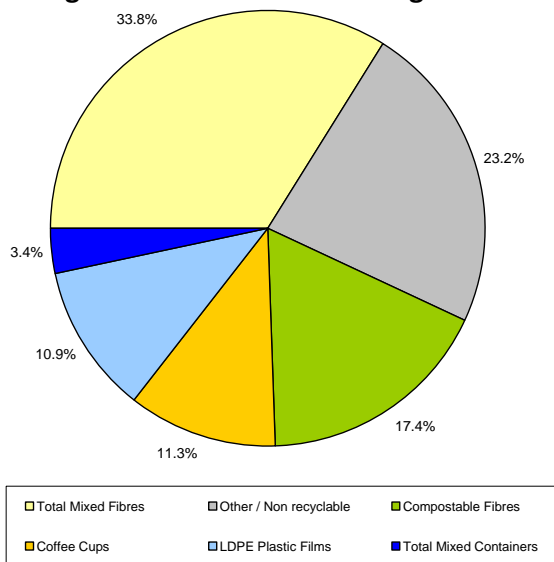
**Figure 6: Goldring Centre for High Performance**



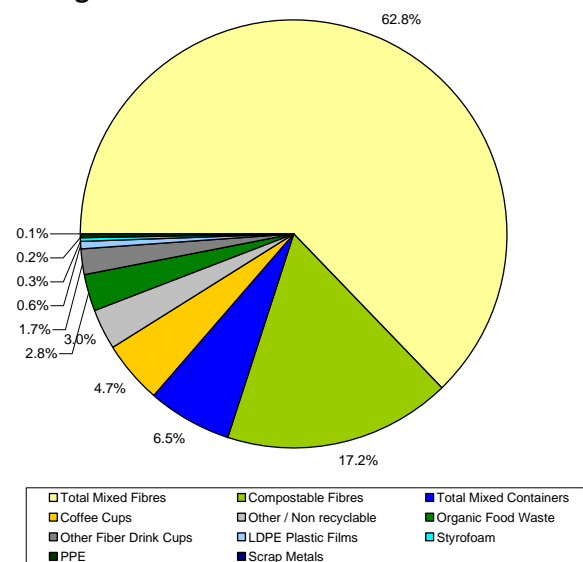
**Figure 7: Roberts Library**



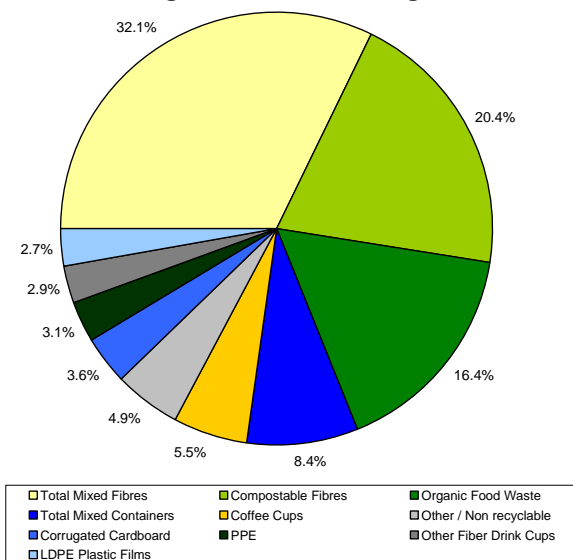
**Figure 8: School of Continuing Studies**



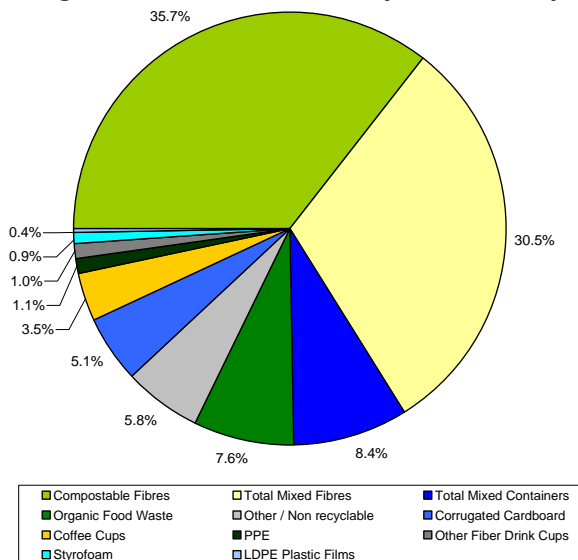
**Figure 9: Jackman Humanities Institute**



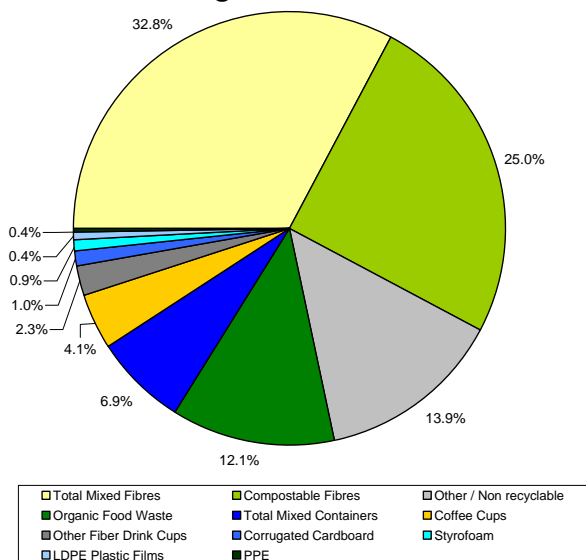
**Figure 10: Innis College**



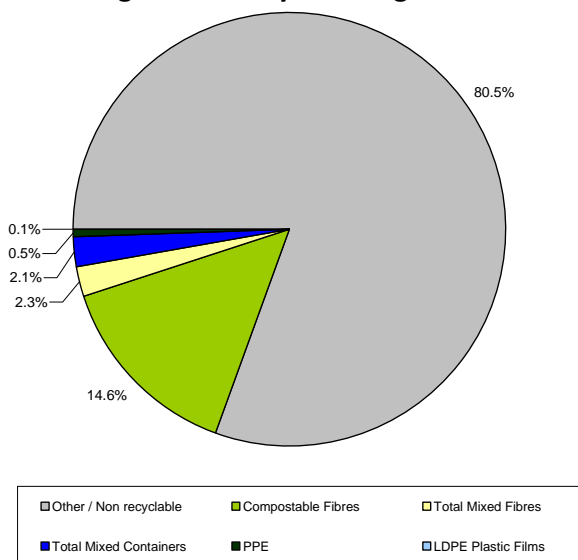
**Figure 11: Leslie Dan Faculty of Pharmacy**



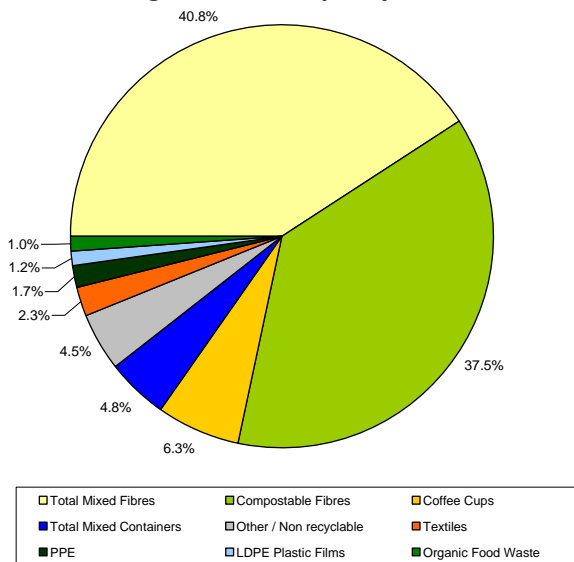
**Figure 12: F.O.E.**



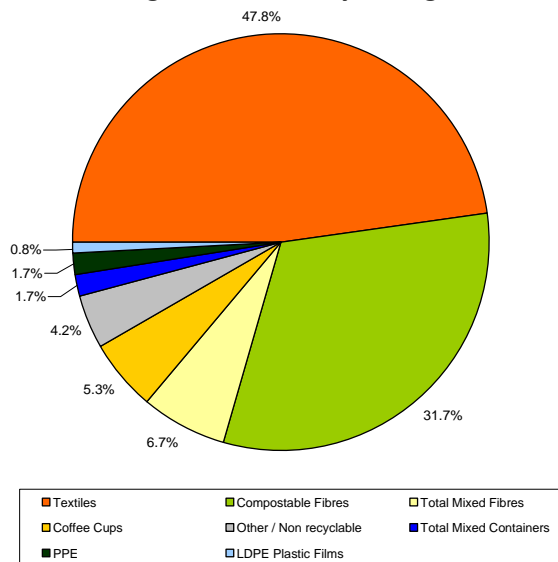
**Figure 13: Early Learning Centre**



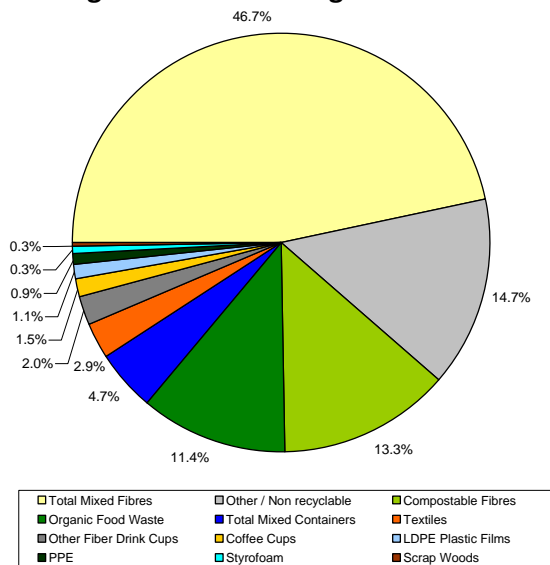
**Figure 14: Co-Op Day Care**



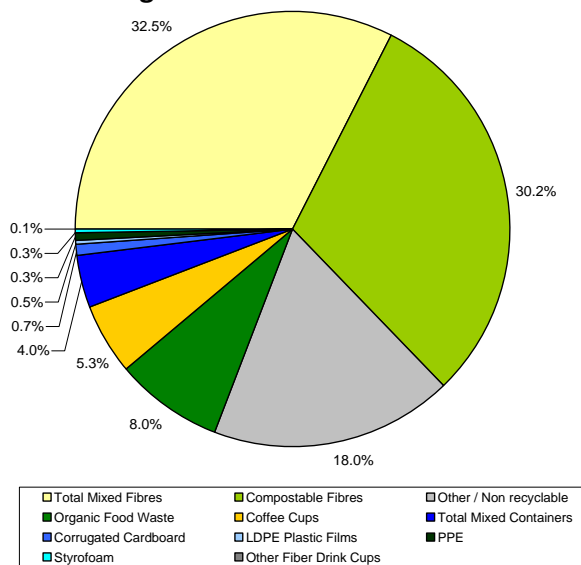
**Figure 15: Massey College**



**Figure 16: Innis College Residence**



**Figure 17: Rotman Commerce**

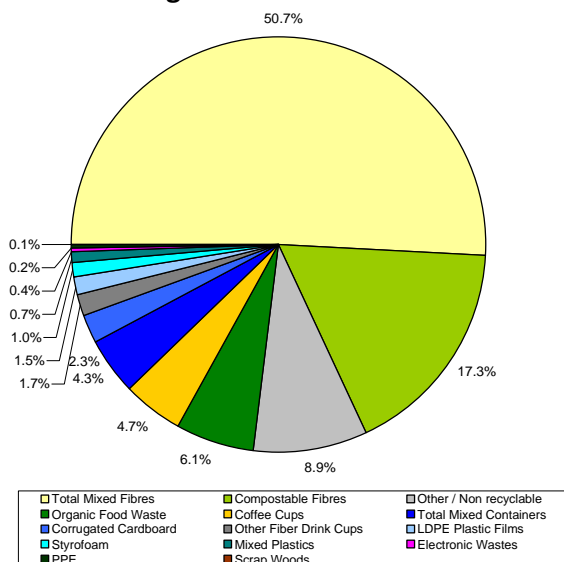




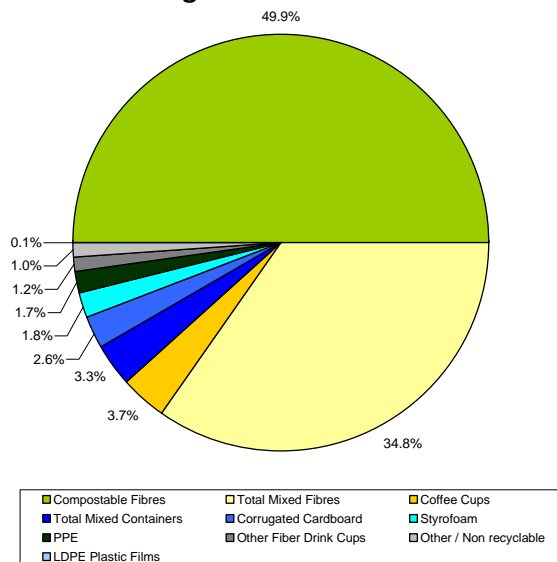
### 3.4 Garbage Composition per Functional Area

Figures 18 through 22 summarize the garbage composition per functional area of buildings that were audited.

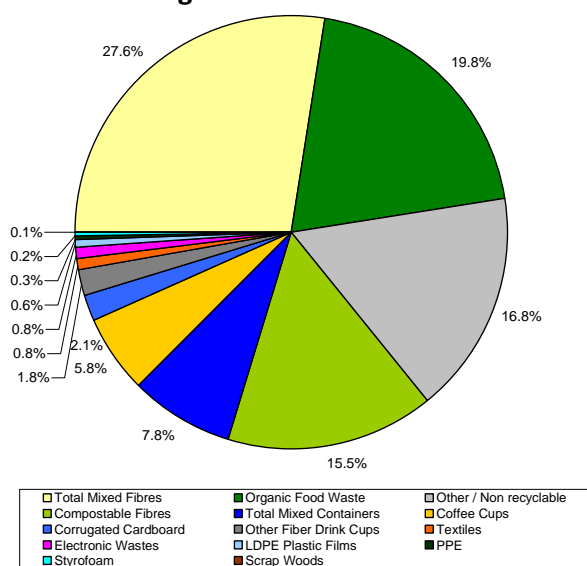
**Figure 18: Office Areas**



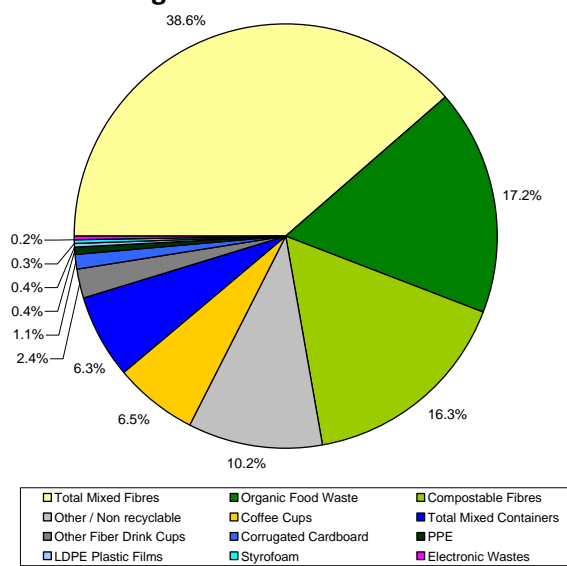
**Figure 19: Lab Areas**



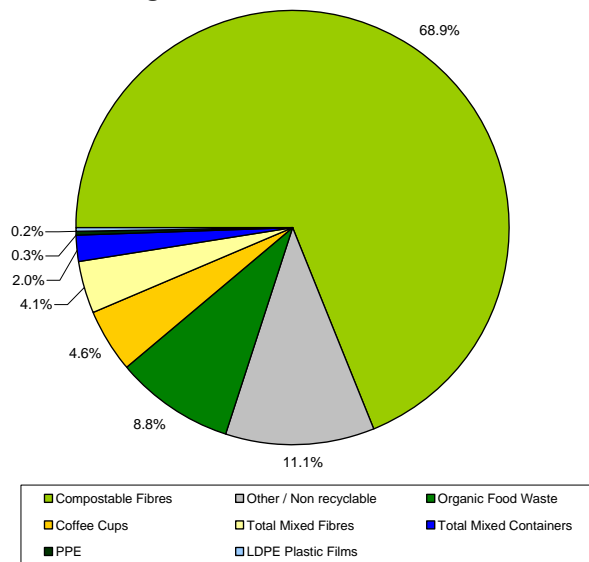
**Figure 20: Public Areas**



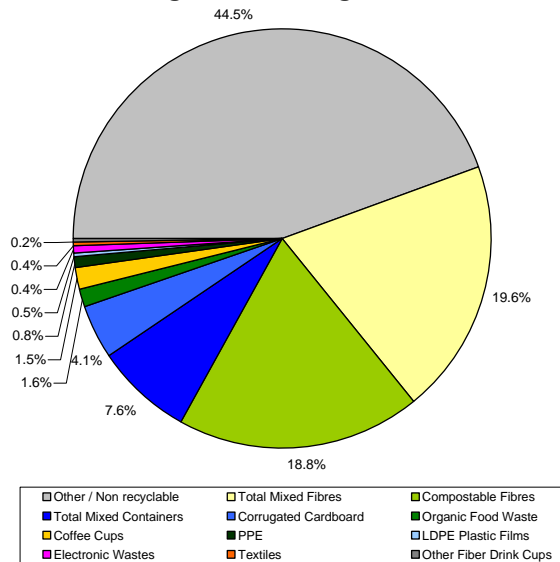
**Figure 21: Cafeteria Areas**



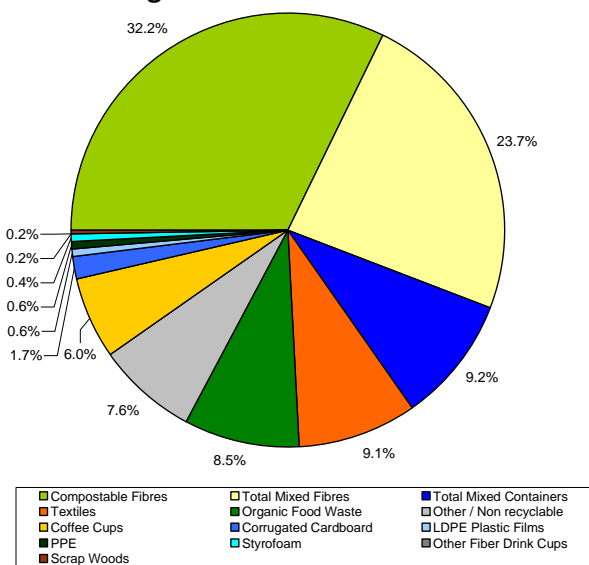
**Figure 22: Washroom Areas**



**Figure 23: Living Areas**



**Figure 24: Unlabelled Areas**

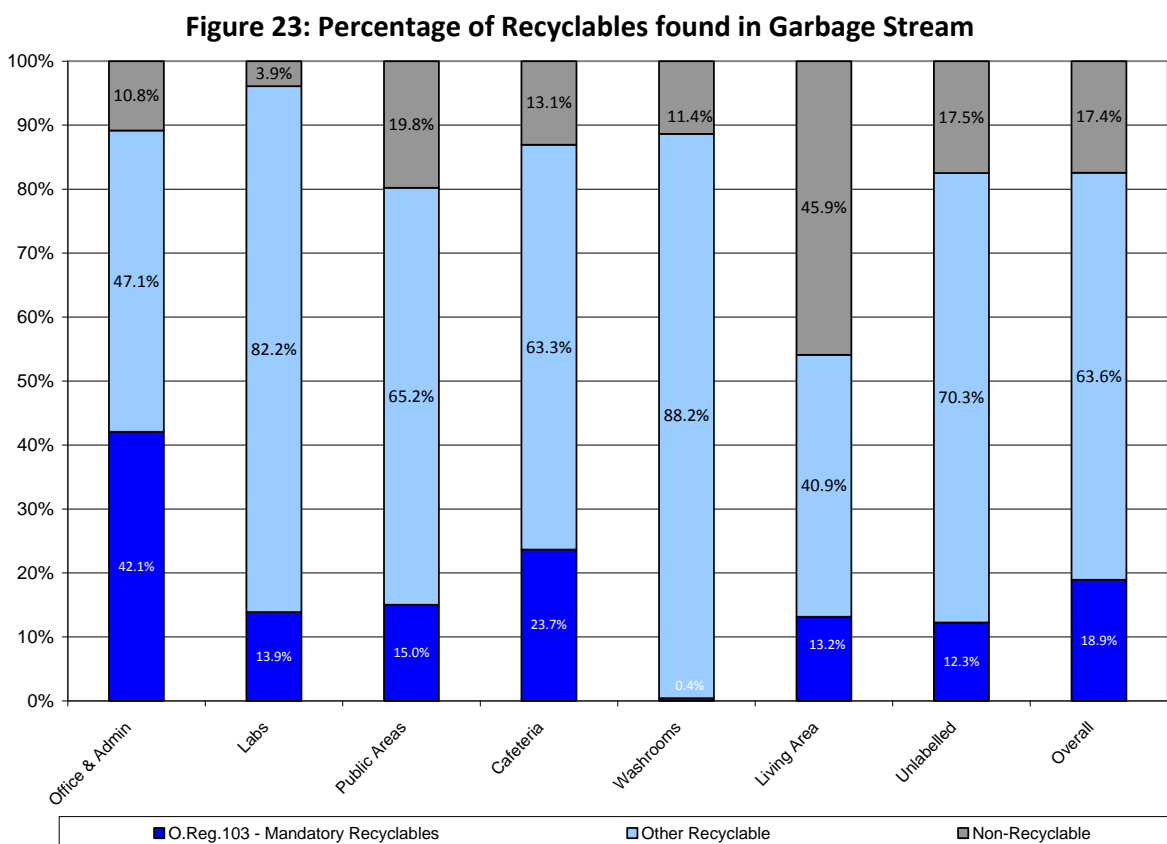


### 3.5 Percentage of Recyclables in Garbage Stream

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 25 summarizes the quantity of these 'mandatory' recyclable materials found in the waste audit garbage samples compared to 'other recyclable' materials (i.e. non-mandatory recyclables), as well as to 'non-recyclable' materials found in the garbage sample.



The waste audit data suggests that the garbage stream has a 'mandatory' recyclable content of 18.9% in the combined garbage from all areas of the university. The most common 'mandatory' recyclables included fine papers, newsprint and cardboard. 'Other Recyclables' represented 63.6% of the sample. These 'Other Recyclable' materials consisted mainly of compostable fibres, boxboard and organic food wastes.

Approximately 17.4% of the waste sample consisted of non-recyclable items, including but not limited to mixed materials, non-recyclable take-out/fast food containers, non-recyclable food wrappers, waxed cups, non-recyclable packaging materials, non-recyclable plastics, soiled materials (i.e. cardboard covered with paint/oil, materials heavily soiled with food), liquids, binders, adhesives/tapes, labels, label backings and foreign wastes (small bags full of mixed garbage typical from other sources), laminated materials, mop heads, hygiene products, floor sweepings, diapers, plus other miscellaneous wastes.

### **3.6 Compactor Study**

Visual inspections of compactor garbage loads were conducted off-site between June 20 and June 23, 2022 to identify obvious divertible wastes that do not belong in the garbage compactors. Emphasis was placed on recyclable materials, large and special items such as furniture, electronics, scrap metals, construction waste, large plastic items, and source separated recyclables that should not have been disposed in the garbage compactor by cleaning staff. Results of the compactor indicate that some members of the University cleaning staff may be placing full bags of recyclables into the garbage compactors rather than the appropriate recycle bins. It is recommended that the University continue to train cleaning staff on where source separated materials are placed for recycling. Results of the compactor study are summarized below. Refer to Appendix A for photos of the visual inspections.

#### **3.6.1 Daniel's Architecture Building**

The compactor for the Daniel's Architecture Building was viewed on June 20, 2022. The compactor weight was 5.47 MT. The sample contained a large amount of cardboard (approximately 1/3 of the compactor load by volume). In addition full bags of mixed containers, mixed papers and confidential shredded papers were evident in the compactor load.

#### **3.6.2 Health Sciences Building**

The compactor for the Health Sciences Building was viewed on June 21, 2022. The total sample weight was 3.87 MT. The compactor load contained many full bags of mixed containers, HDPE bottles, mixed papers and pieces of scrap metal.

#### **3.6.3 Sidney Smith Hall**

The compactor for Sidney Smith Hall was viewed on June 23, 2022. The total sample weight was 5.68 MT. The compactor load contained many full bags of animal waste, bedding and feed, some of which were labelled "hazardous". Full bags of HDPE bottles that contained small amounts of ethyl alcohol were found along with large amounts of soil (appeared to be from a lab setting) and lab plastics. Some cardboard and full bags of mixed containers were also found.

#### **3.6.4 Edward Johnson Building**

The compactor for the Edward Johnson Building was viewed on June 23, 2022. The total sample weight was 6.80 MT. The compactor load contained full bags of mixed containers, mixed papers, cardboard, construction wastes, yard wastes and animal wastes.

## 4 Diversion Programs & Waste Systems

### 4.1 Diversion Programs

Recycling programs have been implemented at UofT to Reduce/Reuse/Recycle/Compost a wide range of materials. As part of the waste audit, discussions were held with UofT personnel to gain an understanding of the waste diversion practices currently in place at the institution. Table 5 summarizes the amount of waste diverted from landfill due to the divert/reuse/recycle/compost programs implemented at the institution.

**Table 5: Waste Diversion Summary**

Waste Category	Recycled/Reused/Diverted	Quantity (MT)
Mixed Papers	Recycled	116.11
Paper Towels	Recycled	36.00
Miscellaneous Paper	Recycled	1.20
Cardboard	Recycled	153.23
Confidential Papers	Recycled	60.00
Scrap Wood	Recycled	159.99
Scrap Metals	Recycled	38.66
Asphalt	Recycled	12.00
Stone, Pavers & Screening	Recycled	148.00
Soil from Construction Projects	Recycled	30.00
Concrete from Construction	Recycled	12.00
Clean Fill	Recycled	12.00
Batteries	Recycled	0.60
Polystyrene	Recycled	3.00
Aero. Misc. Pick Ups	Recycled	3.60
89 Chestnut Mixed Containers	Recycled	120.00
M. Hall Mixed Containers	Recycled	12.00
Mixed Containers	Recycled	16.35
Amber Bottles	Recycled	3.60
Electronic Wastes	Recycled	10.21
Mixed Plastics	Recycled	1.50
Misc: tires, mattresses, rocks etc.	Recycled	0.61
Lab Glass & Plastic	Recycled	30.00
Yard Wastes	Composted	83.96
Animal Bedding	Composted	148.74
Soil & Plant P/U	Composted	60.00
Grass & Wood Mulch	Composted	48.00
Catch Basin Material	Composted	12.00
Organics	Composted	216.00
89 Chestnut Organics	Composted	240.00
Swap Shop - Out, Including Pad	Reused	15.87



In-Swap	Reused	12.00
Wood Pallets	Reused	12.00
LCBO/Beer Store Returns	Reused	13.47
Diverted via Various Programs	Diverted	60.00
		<b>1902.71</b>

Therefore, the total amount of waste materials diverted from landfill from May 2020-April 2021 was approximately 1902.71 MT. The total quantity of materials diverted between May 2020 and April 2021 was approximately 1343 MT less than the previous audit period. The difference is mainly due to reduced occupancy and operations at the university due to COVID-19. Source separation programs implemented at UofT exceed the minimum requirements of O.Reg.103/94 for educational institutions.

Although not quantified for the waste audit report, UofT has implemented a number of programs to assist in their recycling efforts including having 'as needed' staff working on-site at the Medical Science yard and at South Borden Building to clean and separate materials such as coffee cups, polystyrene, tires, clean/amber glass as well as other unique materials. Mixed containers are removed from bags so the materials are loose and easier for the recycling company to handle the material to ensure it is recycled. Lids on coffee pods are removed, contents emptied and pods recycled.

In future months, the Facilities & Services Department will be conducting another departmental survey to update their records and account for materials that are diverted through department specific programs such as confidential paper shredding, furniture/equipment donations and surplus assets, electronic wastes, as well as to remind departmental staff of available programs such as the lug-a-mug program, double-sided or no-print policies, and organic program availability for office kitchen areas.

## 4.2 Waste Disposal Systems

Based on the information provided by UofT, approximately 791.11 of solid non-hazardous waste was disposed from the site to landfill between May 2020 and April 2021. The total quantity of disposed wastes between May 2020 and April 2021 was approximately 1115 MT less than the previous audit period. The difference is mainly due to reduced occupancy and operations at the university due to COVID-19. Wastes are collected throughout the facility and transferred into various compactors located throughout campus.

## 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 MECP, Waste Diversion Rate is calculated as follows:

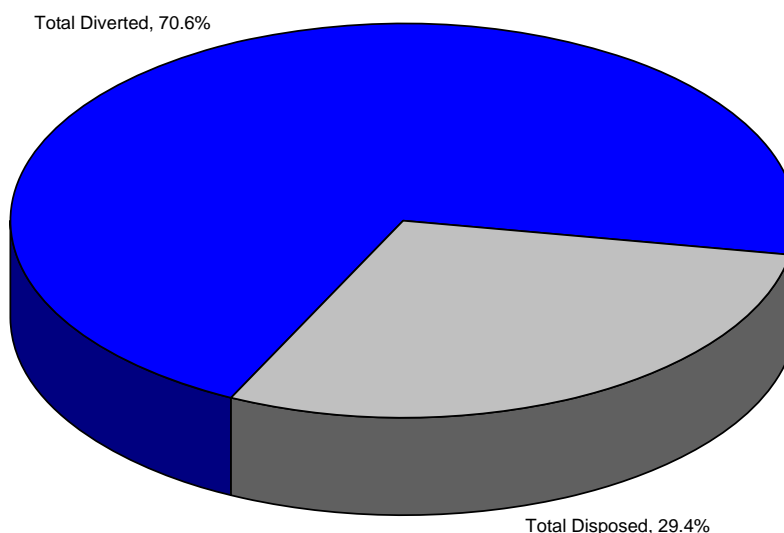
$$\text{Waste Diversion Rate} = \frac{\text{Total Waste Diverted (3Rs)}}{\text{Total Waste Generated}} * 100\%$$

Based on the total amount of waste generated, as well as materials diverted, the annual waste diversion rate at UofT is approximately 71%. Table 6 and Figure 26 summarize the overall quantities of wastes disposed, diverted, reused, recycled and composted at UofT's St. George Campus. The MECP provincial objective is 60% waste diversion.

**Table 6: Waste Quantities Disposed & Diverted**

Material	Total Quantities	
	(Metric Tonnes)	Percent
Waste Disposed to Landfill	791.11	29.4%
Total Material Diverted	1902.71	70.6%
Total Waste Generated	2693.82	100%
<b>Waste Diversion Rate</b>		<b>70.6%</b>

**Figure 26: 2020-2021 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 Recycling Council of Ontario, Capture Rate is calculated as follows:

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

‘Total divertible materials captured (3Rs)’ were calculated based on the total quantity of each material diverted through 3Rs programs (reduce, reuse, recycle) implemented on-site. ‘Total divertible materials generated’ were calculated based on the total quantity of each material disposed to landfill plus diverted through reduce, reuse, recycle programs implemented on-site. Capture rate assists in determining the effectiveness of recycling programs. Table 7 summarizes the capture rate for the main divertible materials at UofT:

**Table 7: Capture Rate Summary**

Divertible Material	Annual Material Generated Metric Tonnes	Annual 3Rs Quantity Captured Metric Tonnes	Capture Rate Percent
Mixed Papers	354.22	117.31	33.1%
Paper Towels	235.49	36.00	15.3%
Cardboard	167.73	153.23	91.4%
Confidential Papers	60.00	60.00	100.0%
Scrap Wood	160.28	159.99	99.8%
Scrap Metals	38.70	38.66	99.9%
Stone, Pavers & Screening	12.00	12.00	100.0%
Batteries	148.00	148.00	100.0%
Polystyrene	30.00	30.00	100.0%
Aero. Misc. Pick Ups	12.00	12.00	100.0%
Mixed Containers	12.00	12.00	100.0%
Amber Bottles	0.60	0.60	100.0%
Electronic Wastes	6.00	3.00	50.0%
Mixed Plastics	3.60	3.60	100.0%
Misc: tires, mattresses, rocks etc.	210.07	148.35	70.6%
Lab Glass & Plastic	3.60	3.60	100.0%
Yard Wastes	13.23	10.21	77.2%
Animal Bedding	2.45	1.50	61.1%
Soil & Plant P/U	0.61	0.61	100.0%
Grass & Wood Mulch	30.00	30.00	100.0%
Organics	83.96	83.96	100.0%
89 Chestnut Organics	148.74	148.74	100.0%
Swap Shop - Out, Including Pad	60.00	60.00	100.0%
In-Swap	48.00	48.00	100.0%
LCBO/Beer Store	12.00	12.00	100.0%
Wood Pallets	316.77	216.00	68.2%
<b>Overall Facility</b>	<b>2463.40</b>	<b>1842.71</b>	<b>74.8%</b>

Capture rates of most materials were high, ranging from approximately 60% to 100%. Paper towels, mixed papers and electronic wastes had the only values less than 60%, being approximately 15%,



33% and 50% respectively. The overall capture rate of all recyclables on campus was approximately 75%.

### 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. It is recommended that UofT track ‘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 UofT, 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 8 summarizes the results for the 2020-21 year compared to previous years. A positive year-over-year change indicates 3Rs programs are improving over time. The main reason for the significant decrease in 2020-21 was due to the COVID-19 pandemic response and is not considered representative of the facility’s performance.

**Table 8: Yr-over-Yr Change in 3Rs Quantities**

Period	Total Materials Diverted, Reused Recycled (MT)	FTE	Annual 3R Quantity (kg/FTE)	Yr-over-Yr Change in 3Rs Quantity (kg)
2020-2021	1902.71	65,246	29.16	-22.25
2019-2020	3245.44	63,127	51.41	-5.72
2018-2019	3561.25	62,333	57.13	-10.16
2015-2016	4098.45	60,903	67.29	-11.36
2013-2014	4555.43	57,919	78.65	+0.52
2012-2013	4418.23	56,547	78.13	+2.48
2011-2012	4141.3	54,745	75.65	+4.64
2010-2011	3,810.68	53,664	71.01	--

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

The ‘Year over Year Change in Trash 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 9 summarizes the results for the 2020-21 year compared to previous years. A reduction in the year over year value will indicate the university is continually reducing wastes disposed to landfill. The main reason for the significant decrease in 2020-21 was due to the COVID-19 pandemic response and is not considered representative of the facility’s performance.



**Table 9: 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)
2020-2021	791.11	65,246	12.13	-18.06
2019-2020	1906.11	63,127	30.19	-4.43
2018-2019	2158.24	62,333	34.62	+0.12
2015-2016	2101.41	60,903	34.50	+1.64
2013-2014	1903.05	57,919	32.86	+0.67
2012-2013	1820.37	56,547	32.19	+1.94
2011-2012	1655.9	54,745	30.25	-2.88
2010-2011	1777.5	53,664	33.12	--

## 6 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:

## 7 Conclusions & Recommendations

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

- The waste audit was conducted during the COVID-19 pandemic response. Occupancy and operations at the university were impacted. The collected waste audit samples and annual service records may not be representative of typical operations and caution should be used when comparing sample data between 2020/21/22 and different years at the facility.
- Between May 2020 and April 2021, UofT disposed of approximately 791.11 tonnes of solid waste in landfills. Approximately 1902.71 tonnes of waste materials were diverted through existing reduce, reuse, recycle and compost activities. This represents a waste diversion rate of approximately 71%. The provincial objective is 60% waste diversion.
- Source separation programs have been implemented at UofT for a variety of materials, including but not limited to, cardboard, paper fibres, mixed containers, scrap wood, scrap metal, paper towels, coffee cups, batteries, light bulbs, electronic goods, yard waste, animal bedding, soil, asphalt, polystyrene, and organics.
- Source separation programs implemented at UofT exceed the minimum requirements of O.Reg.103/94 for educational institutions.
- In total, 406.59 kg of waste was collected and sorted for the waste audit. E Robarts Library, FOE, Goldring Centre for High Performance, Leslie Dan Faculty of Pharmacy, Rotman Commerce,

Jackman Humanities Institute and Early Learning Centre were the most significant generators of garbage, representing approximately 80% of the sample (based on 24-hr period).

- Public areas, Cafeteria, Office & Administrative and Washrooms generated the most garbage on campus, representing approximately 82% of the waste audit sample.
- The University of Toronto has a 'mandatory' recyclable content of 18.9% in the combined garbage from all areas of the university. The most common 'mandatory' recyclables included fine papers, newsprint and cardboard. 'Other Recyclables' represented 63.6% of the sample. These 'Other Recyclable' materials consisted mainly of compostable fibres, boxboard and organic food wastes. Approximately 17.4% of the waste sample consisted of non-recyclable items.
- Based on the waste audit results, approximately 29.9% (or 237 tonnes annually) of solid waste disposed to landfill consisted of mixed papers. The most common types found were boxboard and fine papers. A mixed paper recycling program exists at UofT. This data suggests that better collection systems, improved signage and/or student/staff education programs may be required to improve the capture rate of this material. Fine paper and newsprint are mandatory recyclables at educational institutions per O.Reg.103/94.
- Based on the waste audit results, approximately 25.2% (or 199 tonnes annually) of solid waste disposed to landfill consisted of compostable fibres (such as paper towels, napkins, toilet paper, facial tissue). All audited functional areas of buildings generated high quantities of this material. In general, it has been observed that more compostable fibres are present in the garbage stream due to the COVID-19 pandemic response. UofT may wish to investigate the feasibility of implementing an expanded paper towel recycling program to capture more of this material on campus in order to reduce the amount of this material disposed to landfill. Paper towels are not a mandatory recyclable material per O.Reg.103/94.
- Based on the waste audit results, approximately 12.7% (or 101 tonnes annually) of solid waste disposed to landfill consisted of organic materials (i.e. food wastes). Organics were found in high amounts in most functional areas except labs and living areas. An organics compost program exists at UofT in designated areas. The results suggest that an expanded collection system, improved signage and/or student/staff education programs may be required to improve the capture rate of this material. Organics are not a mandatory recyclable material per O.Reg.103/94. However, according to Ontario's Food and Organic Waste Policy Statement, it is proposed that ICI Sectors will have to reduce and/or recover food and organic wastes between 50%-70% by 2025.
- Based on the waste audit results, approximately 6.1% (or 48 tonnes annually) of solid waste disposed to landfill consisted of mixed containers. The most common types of materials found were PET (#1) bottles, aluminum cans and #5 plastic containers. A mixed container recycling program exists at UofT. This data suggests that better collection systems, improved signage and/or student/staff education programs may be required to improve the capture rate of this material. Glass, steel and aluminum food and beverage containers are mandatory recyclables at educational institutions per O.Reg.103/94.
- Capture rates of most materials were high, ranging from approximately 60% to 100%. Paper towels, mixed papers and electronic wastes had the only values less than 60%, being



approximately 15%, 33% and 50% respectively. The overall capture rate of all recyclables on campus was approximately 75%.

- 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. The 'Year-over-Year Change in 3Rs Quantities' was determined to be -22.25 kg/FTE in 2020-21. A positive year-over-year change indicates 3Rs programs are improving over time. The main reason for the significant decrease in 2020-21 was due to the COVID-19 pandemic response and is not considered representative of the facility's performance.
- The 'Year over Year Change in Trash Disposed' is the indicator of the amount of reduction in waste materials disposed to landfill due to reduction, reuse and recycling activities on campus. The 'Year over Year Change in Trash Disposed' was determined to be -18.06 kg/FTE in 2020-21. A reduction in the year over year value will indicate the university is continually reducing wastes disposed to landfill. The main reason for the significant decrease in 2020-21 was due to the COVID-19 pandemic response and is not considered representative of the facility's performance.
- UofT will be reviewing and updating departmental information in future months. It has been a number of years since the department confidential shredding survey was completed. This should be updated as well as interview department contacts regarding asset management, and/or other furniture/equipment donations, electronic waste recycling/donations and/or special wastes that were not accounted for in the waste audit. At the same time, department contacts can be educated/reminded about office organic and coffee cup diversion programs as well as any specialty diversion programs implemented on campus that they may not be aware of.
- It is recommended that UofT meet with the Sustainability Department regarding any possible 3R's programs that have been implemented on-site that are currently unknown and quantified so they can be included in the waste audit report.
- Continue to make use of multi-compartment containers (i.e. recycling depots) for waste collection and recycling as much as possible. Remove all "solitary" waste bins at the facility. We recommend only having waste bins that are attached to or close to multi-compartment recycling containers.
- It is recommended that UofT continue to educate staff and students regarding the on-campus recycling programs. UofT has implemented a four (4) stream program: garbage, mixed papers, mixed containers and coffee cups. Staff and students should be reminded of the importance of placing the correct material into the correct bin in order to minimize contamination.
- Continue to add and maintain signs at recycling depots to assist staff and students in sorting wastes easily and correctly. Signs should be easily visible and instructive, such as those having pictograms. Signs are a very effective method of increasing participation, reducing contamination and increasing material capture rates.
- Provide easy access to contact information for help with questions regarding all recycling programs. Each recycling program should have as much consistency as possible across the entire campus.



- Ensure UofT's Environmental Policy is clearly displayed to emphasize the facility's commitment to environmental stewardship, which can also be demonstrated in its newsletters, brochures, annual reports and contracts. Regular newsletters promoting the campus' waste reduction programs, goals and concerns will increase employee/student cooperation.
- Continue to collect all recyclables and wastes in clear plastic garbage bags instead of black plastic garbage bags. This allows maintenance staff to monitor waste collection, as well as to ensure that separated waste streams are disposed of in the correct containers.
- Support and encourage the purchase and use of "environmentally friendly", reusable or recyclable materials and packaging, and/or those that contain recycled content. This is applicable to U of T's office paper and paper towel purchases.
- 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 employees can review it. If a summary is posted, the entire Waste Reduction Work Plan should also be made available for review by any of the facility employees upon request.
- According to O.Reg. 102/94, the waste audit and waste reduction work plan must be updated on an annual basis.
- According to O.Reg. 102/94, a report of the waste audit and waste reduction work plan must be retained on file for a minimum of five years.
- Ensure that the waste diversion program has the full support of UofT's management team.



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## **Appendix A**

### **Supporting Documentation**

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Table 2 Total Full-Time Equivalent (FTE)

Total UofT FTE (Fall)	2019-20 Actual	2020-21 Plan	2020-21 Actual	%	2020-21 Variance to Plan	2020-21 Change over 2019-20	2021-22 Plan	2022-23 Projected	2023-24 Projected	2024-25 Projected	2025-26 Projected
Arts & Humanities	4,163		4,271	17%		108					
Social Sciences - Excl. BCOM	6,008		6,684	26%		677					
Social Sciences - BCOM (Yrs 2-4)	1,918		2,044	8%		126					
Life Sciences	5,067		5,205	20%		138					
Other Sciences	7,229		7,222	28%		(7)					
<b>Arts &amp; Science St. George</b>	<b>24,384</b>	<b>24,851</b>	<b>25,426</b>	<b>100%</b>	<b>574</b>	<b>1,042</b>	<b>25,543</b>	<b>26,305</b>	<b>26,738</b>	<b>26,862</b>	<b>26,871</b>
Arts & Humanities	3,157		3,159	24%		2					
Social Sciences - Excl. BCOM/BBA	4,512		4,784	36%		272					
Social Sciences - BCOM/BBA (Yrs 2-4)	920		971	7%		51					
Life Sciences	1,498		1,691	13%		194					
Other Sciences	2,631		2,525	19%		(106)					
<b>UTM</b>	<b>12,718</b>	<b>12,956</b>	<b>13,130</b>	<b>100%</b>	<b>174</b>	<b>412</b>	<b>12,982</b>	<b>12,884</b>	<b>12,702</b>	<b>13,022</b>	<b>13,081</b>
Arts & Humanities	1,951		1,978	17%		28					
Social Sciences - Excl. BBA	3,475		3,694	32%		220					
Social Sciences - BBA (Yrs 1-4)	1,567		1,626	14%		59					
Life Sciences	1,231		1,268	11%		37					
Other Sciences	2,958		3,011	26%		53					
<b>UTSC</b>	<b>11,182</b>	<b>11,484</b>	<b>11,578</b>	<b>100%</b>	<b>94</b>	<b>396</b>	<b>11,895</b>	<b>11,914</b>	<b>12,092</b>	<b>12,505</b>	<b>12,580</b>
Total Undergraduate Arts & Science	48,283	49,291	50,134		842	1,851	50,419	51,103	51,531	52,389	52,532
Undergraduate Other Direct-Entry (Note 1)	7,316	7,310	7,584		273	268	7,658	7,846	7,870	7,910	7,835
Total Direct-Entry	55,599	56,602	57,717		1,116	2,118	58,077	58,949	59,401	60,299	60,368
Undergraduate Second-Entry Professional	7,206	7,183	7,185		2	(22)	7,194	7,241	7,270	7,310	7,342
Undergraduate Conjoint TST Programs	322	329	344		15	22	341	342	345	350	354
<b>TOTAL UNDERGRADUATE - UofT</b>	<b>63,127</b>	<b>64,114</b>	<b>65,246</b>		<b>1,132</b>	<b>2,119</b>	<b>65,612</b>	<b>66,531</b>	<b>67,016</b>	<b>67,959</b>	<b>68,063</b>
St. George	8,467	8,695	8,450		(245)	(17)	8,857	9,243	9,269	9,342	9,383
UTM	517	563	513		(51)	(5)	558	611	618	623	625
UTSC	131	150	124		(27)	(8)	151	195	194	194	194
Professional Master's	9,116	9,409	9,086		(323)	(30)	9,566	10,049	10,082	10,159	10,203
Doctoral Stream Master's	2,976	2,933	2,922		(10)	(54)	2,860	2,919	2,947	2,953	2,956
Doctoral	6,851	7,095	7,308		213	457	7,499	7,840	8,100	8,335	8,516
Graduate Conjoint TST Programs	242	219	246		27	4	198	197	201	197	191
<b>TOTAL GRADUATE - UofT</b>	<b>19,184</b>	<b>19,655</b>	<b>19,561</b>		<b>(93)</b>	<b>378</b>	<b>20,122</b>	<b>21,006</b>	<b>21,330</b>	<b>21,644</b>	<b>21,866</b>
St. George excl. TST (Note 2)	56,979	57,848	58,653		806	1,675	59,393	61,180	61,980	62,500	62,691
UTM (Note 2)	13,456	13,739	13,863		124	407	13,757	13,711	13,533	13,857	13,919
UTSC	11,313	11,634	11,702		68	389	12,045	12,108	12,286	12,699	12,774
TST Conjoint Programs	564	548	590		42	26	538	538	546	547	545
<b>TOTAL COMBINED FTEs - UofT</b>	<b>82,311</b>	<b>83,768</b>	<b>84,807</b>		<b>1,039</b>	<b>2,497</b>	<b>85,734</b>	<b>87,537</b>	<b>88,346</b>	<b>89,603</b>	<b>89,929</b>

Notes: 1. 'Direct-entry' includes undergraduate programs offered by the following divisions: Arts & Science St. George, UTM, UTSC, Applied Science & Engineering, Architecture, Landscape & Design, Kinesiology & Physical Education, and Music, as well as the Transitional Year program.

2. Medicine MD and MScOT students at UTM are included in the UTM subtotal above.

**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.





**waste reduction group inc**

*Working together to reduce waste*

University of Toronto -  
UT10002



# Introduction

*The University of Toronto is dedicated to fostering an academic community in which the learning and scholarship of every member may flourish, with vigilant protection for individual human rights, and a resolute commitment to the principles of equal opportunity, equity and justice.<sup>1</sup>*

<https://www.utoronto.ca/about-u-of-t/mission>



## The Purpose of this Audit is to:

- ▶ 1) Ensure that the University of Toronto Comply with Ontario Regulation 102/94 - Waste Audits and Waste Reduction Work Plans Part XI, which requires educational institutions to conduct a waste audit covering the waste generated by the establishment, and prepare and implement a waste reduction work plan on an annual basis if, at the location or campus, at any time during the calendar year, more than 350 persons are enrolled.
- ▶ 2) Confirm compliance with Section 14 of O.Reg.103/94 'Industrial, Commercial and Institutional Source Separation Programs' and Part X 'Educational Institutions'. UofT is interested in waste reduction solutions to reduce the amount of waste disposed to landfill.
- ▶ 3) Determine the annual waste diversion rate resulting from existing waste reduction, reuse, and recycling programs.
- ▶ 4) Identify and quantify the composition and point of generation of waste at UofT.
- ▶ 5) Identify any additional opportunities for waste reduction and diversion that may exist.
- ▶ 6) Address any specific concerns or opportunities identified during the study.

# Scope of Work



- 1) Collect, transfer and analyse waste from the designated buildings listed below.
- 2) Determine the composition of the waste from each building day by day and categorize it.

**Bags will be color tagged according to functional location - see the guide below:**

Red - washrooms

Blue - offices

Black - public areas / lobbies

White - living areas

Green - cafeterias

Yellow - labs

# Contact

Purvesh Patel - WRG

Phone: 782-777-1412

Email: [purvesh@wastereductiongroup.ca](mailto:purvesh@wastereductiongroup.ca)

Contact Purvesh for any questions about the audit methodology, data entry, etc.

Dan Siekris - WRG

Phone: 416-795-5462

Email: [dan@wastereductiongroup.ca](mailto:dan@wastereductiongroup.ca)

Contact Dan for any questions regarding the building locations

Omar Elfarsaisey, Admin/HR - WRG

Phone: 289-795-5315

Email: [omar@wastereductiongroup.ca](mailto:omar@wastereductiongroup.ca)

Contact Omar for any questions about timesheets, workplace incidents, etc...

Renata Ortega, Account Manager for this site - WRG

Phone: 647-534-8483

Email: [renata@wastereductiongroup.ca](mailto:renata@wastereductiongroup.ca)

Contact Renata for any questions regarding how to manage the audit

Please try to avoid contacting the customer unless absolutely necessary, please contact us first if any troubleshooting is needed:

Phone: [n.yacoub@utoronto.ca](tel:416-946-5711)

Email: 416-946-5711



# Friendly Reminder - WA Protocols Update - PRE Audit

## PRE | PLANNING FOR THE AUDIT

1. DS & CH will assign WA Lead and Team to an upcoming audit
2. WA Lead to speak with DS to understand specific needs of Audit
3. OE to book accommodations/vehicles ,as required
4. WA Lead to provide DS with a complete list of materials required AT LEAST 2 business days before first day of Audit Field Work
5. DS to work with Leads to secure all materials
6. DS to send Client contact an email 2 business days before Audit to make sure they are ready for our arrival and ask for annual data
7. Team Briefing call to happen 1-2 Business days before first day of Audit Field Work to review specific needs of Audit
8. OE to create a shared drive folder for data collection + WA Location Code



# Friendly Reminder - WA Protocols Update - DURING Audit

## DURING | FIELD WORK

1. Each day begins with a Team Huddle led by the WA Lead to walk through the plan for the day. **At this time, ALL EMPLOYEES MUST punch in together through the Buddy Punch App.**
2. WA Lead to take photos of sorted waste categories and waste management systems for any ICI Audits
3. WA Lead to capture and upload data and photos to shared folder daily
4. WA Lead to contact DS if any support is needed onsite
5. The day concludes with a Team Huddle to discuss progress and update on any work remaining. **At the conclusion of this meeting, ALL EMPLOYEES MUST PUNCH OUT TOGETHER through the Buddy Punch App.**



# Friendly Reminder - WA Protocols Update - AFTER Audit

## **POST | REPORTING & CLOSING**

1. DS to provide Lead with report template to start collecting and analyzing data, assigning budgeted hours for the report
2. WA Lead to write a draft report and submit to DS for internal review
3. DS to share with CH/MM for review and refinements
4. Report due to Client 10 business days after last day of Field Work
5. Timesheets from Buddy Punch are reviewed and approved



# Locations/Schedule

## Day 1 - Monday June 13th

- ▶ Building 1: 500 University Avenue,
- ▶ Building 2: Dentistry,
- ▶ Building 3: 89 Chestnut Street

## Day 2 - Tuesday June 14th

- ▶ Building 1: 246 Bloor Street West,
- ▶ Building 2: Goldring Centre for High Performance,
- ▶ Building 3: O.I.S.E.,
- ▶ Building 4: Jackman

## Day 3 - Wednesday June 15th

- ▶ Building 1: Robarts Library,
- ▶ Building 2: Innis College,
- ▶ Building 3: School of Continuing Studies

## Day 4 - Thursday June 16th

- ▶ Building 1: 7 Glen Morris Street,
- ▶ Building 2: Co-Op Daycare,
- ▶ Building 3: F.O.E.,
- ▶ Building 4: L.D. Pharmacy

## Day 5 - Friday June 17th

- ▶ Building 1: Rotman Commerce,
- ▶ Building 2: Massey College,
- ▶ Building 3: Newman Center,
- ▶ Building 4: Innis College Residence

- ▶ Start-time: 8am
- ▶ Budget - 8 hours per day
- ▶ 30 min - 1 hour for data entry each day
- ▶ Deadline to submit completed data file: **Daily uploads**

Link to UofT Interactive Map:

<https://map.utoronto.ca/?id=1809#!ce/48654?ct/45469,0,48654,48655,48656,48657,48658>

# Required Equipment

Coordinate equipment and vehicle pick-up with the Operations team prior to the start date.

Ensure you bring the following with you:

- 1x portable black scale with 2-3 extra batteries
- 15-20x Rubbermaid bins
- 1x box extra large clear garbage bags
- PPE for each employee including:
  - o Steel-toed boots
  - o Coveralls
  - o High visibility vest
  - o Hard hat
  - o Safety glasses
  - o Puncture resistant gloves
  - o Face mask
  - o Ear plugs (if necessary)
- Hand sanitizer
- A pair of scissors





Questions ?



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# The Purpose of this Audit is to:

- ▶ 1) Ensure that the University of Toronto Comply with Ontario Regulation 102/94 - Waste Audits and Waste Reduction Work Plans Part XI, which requires educational institutions to conduct a waste audit covering the waste generated by the establishment, and prepare and implement a waste reduction work plan on an annual basis if, at the location or campus, at any time during the calendar year, more than 350 persons are enrolled.
- ▶ 2) Confirm compliance with Section 14 of O.Reg.103/94 'Industrial, Commercial and Institutional Source Separation Programs' and Part X 'Educational Institutions'. UofT is interested in waste reduction solutions to reduce the amount of waste disposed to landfill.
- ▶ 3) Identify any additional opportunities for waste reduction and diversion that may exist. This audit is a compactor study. Important to capture any recyclable materials that should not be in the compactor.
- ▶ 4) Address any specific concerns or opportunities identified during the study.

# Scope of Work



- 1) Analyse waste from the designated compactors of each building listed in the locations/schedule slide.
- 2) Take photos of the composition of the waste from each compactor day by day.

## This audit is a Compactor Study:

Compactor studies are a visual inspection only, qualitative (not quantitative). PICTURES ARE KEY!!  
Coordination with Customer Service (Kiernan-WRG) required.  
Be ready to be on-site around 8am in-time for the compactor to arrive.

One staff member should do the audit, the other should spot for safety because this audit is going to be happening at a transfer station.

The lead needs to get a copy of the weight ticket for each compactor.

Compactors will be from 4 buildings at U of T - one compactor per day Mon-Thurs:

# Contact

Purvesh Patel - WRG  
Phone: 782-777-1412  
Email: purvesh@wastereductiongroup.ca  
Contact Purvesh for any questions about the audit methodology, data entry, etc.

Kiernan Scott - WRG  
Phone: 647-548-6408  
Email: Kiernan@wastereductiongroup.ca  
Contact Kiernan for coordination of compactor arrival at sort location

Dan Siekris - WRG  
Phone: 416-795-5462  
Email: dan@wastereductiongroup.ca  
Contact Dan for any questions regarding the building locations

Omar Elfarsaisey, Admin/HR - WRG  
Phone: 289-795-5315  
Email: omar@wastereductiongroup.ca  
Contact Omar for any questions about timesheets, workplace incidents, etc...

Renata Ortega, Account Manager for this site - WRG  
Phone: 647-534-8483  
Email: renata@wastereductiongroup.ca  
Contact Renata for any questions regarding how to manage the audit

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5. DS to work with Leads to secure all materials
6. DS to send Client contact an email 2 business days before Audit to make sure they are ready for our arrival and ask for annual data
7. Team Briefing call to happen 1-2 Business days before first day of Audit Field Work to review specific needs of Audit
8. OE to create a shared drive folder for data collection + WA Location Code

# Friendly Reminder - WA Protocols Update - DURING Audit

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# Friendly Reminder - WA Protocols Update - AFTER Audit

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5. Timesheets from Buddy Punch are reviewed and approved

# Locations/Schedule

Sort Site Address: 1400 The Queensway, Etobicoke, ON M8Z 1S4

**Day 1 - Monday June 20th**

- ▶ Compactor from Sanford Fleming

**Day 2 - Tuesday June 21st**

- ▶ Compactor from Daniels Architecture

**Day 3 - Wednesday June 22nd**

- ▶ Compactor from Edward Johnson

**Day 4 - Thursday June 23rd**

- ▶ Compactor from Health Sciences Building

**Day 5 - Friday June 24th (If required)**

- ▶ Make up day if a compactor does not come in on time
- ▶ If compactors are on schedule, work from home day.

- ▶ Start-time: 8am
- ▶ Budget - 8 hours per day
- ▶ 30 min - 1 hour for data entry each day
- ▶ Deadline to submit completed data file: **Daily uploads**

# Required Equipment

Coordinate equipment and vehicle pick-up with the Operations team prior to the start date.  
Ensure you bring the following with you:

- PPE for each employee including:
  - Steel-toed boots
  - Coveralls
  - High visibility vest
  - Hard hat
  - Safety glasses
  - Puncture resistant gloves
  - Face mask
  - Ear plugs (if necessary)
- Hand sanitizer

Questions ?



## CALIBRATION CERTIFICATE

**DATE:** May 11 2018

**SR No.:** 47338

**CUSTOMER:**

Waste Reduction Group  
801 King St W Unit PH #20  
Toronto ON M5V 3C9

**REMARKS**

This is to certify that the following scale has been tested and calibrated 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.

**Anyload EWH-150**

**Capacity 150 kg**

**S/N -20161108049**

\_\_\_\_\_  
**Technician's Signature**



**CANADIAN SCALE COMPANY LIMITED**

305 Horner Avenue, Toronto, ON M8W 1Z4

1-800-461-0634

[www.canscale.com](http://www.canscale.com)

# SAMPLE DATA SHEET

## Waste Audit Data Collection Sheet

Client:

Site:

Date:

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled		0.00	
Total Weight of Sample (in kg):	#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	
Total Percent of Sample (in %):	#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
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!
Fine Papers															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!
Compostable Fibres															0.00	#DIV/0!
Organic Food Waste															0.00	#DIV/0!
Compostable Dishware															0.00	#DIV/0!
Other Fiber Drink Cups															0.00	#DIV/0!
Coffee Cups															0.00	#DIV/0!
Coffee Pods															0.00	#DIV/0!
LDPE Plastic Films															0.00	#DIV/0!
Styrofoam															0.00	#DIV/0!
Mixed Plastics															0.00	#DIV/0!
Lab Plastics															0.00	#DIV/0!
Lab Glass															0.00	#DIV/0!
Scrap Metals															0.00	#DIV/0!
Scrap Woods															0.00	#DIV/0!
Electronic Wastes															0.00	#DIV/0!
Bulbs & Ballats															0.00	#DIV/0!
Batteries															0.00	#DIV/0!
Printer Toners															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!
Latex/Nitrile Gloves															0.00	#DIV/0!
Single Use Plastics															0.00	#DIV/0!
Other / 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 Fibres															0.00	#DIV/0!
O.Reg.103/94 - Mandatory															0.00	#DIV/0!
Other Recyclables															0.00	#DIV/0!
Non-Recyclables															0.00	#DIV/0!

General Comments and Observations:

University of Toronto – Waste Audit Photos from Physical Sorting (June, 2022)



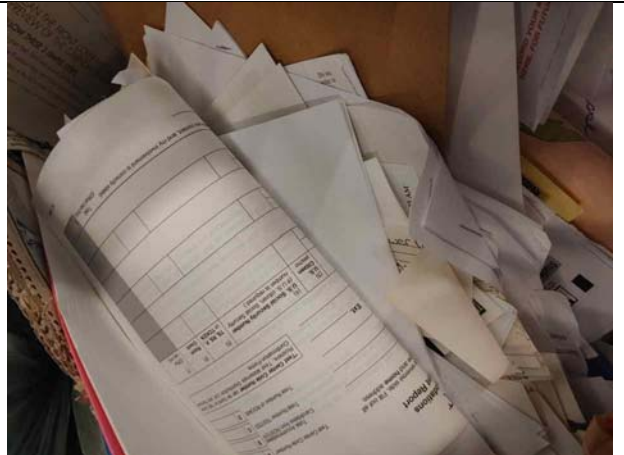
Typical cardboard in sample



Typical Compostable Fibres in sample



Typical Fine Papers in sample



Typical Fine Papers in sample



Typical Boxboard in sample



Typical Boxboard in sample



University of Toronto – Waste Audit Photos from Physical Sorting (June, 2022)



Typical Other Paper Fibres in sample



Typical Other Paper Fibres in sample



Typical PET in sample



Typical Plastic Cups in sample



Typical Aluminum Cans in sample



Typical Glass Bottles in sample



University of Toronto – Waste Audit Photos from Physical Sorting (June, 2022)



Typical Aseptic Containers



Typical Gable Top Container



Typical Organics in sample



Typical Styrofoam in sample



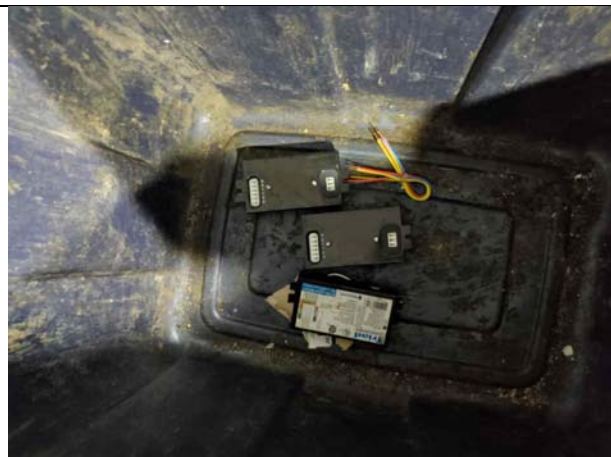
Typical Cold Beverage Cups in sample



Typical Coffee Cups in sample



University of Toronto – Waste Audit Photos from Physical Sorting (June, 2022)



Typical Electronic Wastes



Typical Plastic Films



Typical Textiles



Typical Yard Wastes



Typical Residual Wastes



Typical Residual Wastes



University of Toronto – Waste Audit Photos from Compactor Study (June, 2022)

Daniels Architecture Building



Compactor Load – Overall View



Typical Cardboard in Load



Typical Cardboard in Load



Typical Cardboard in Load



Typical Full Bag of Mixed Containers



Typical Full Bag of Mixed Containers









University of Toronto – Waste Audit Photos from Compactor Study (June, 2022)

	
Typical Full Bag of Shredded Paper	Typical Full Bag of Shredded Paper
Health Sciences Building	
	
Compactor Load – Overall View	Example of Scrap Metals
	
Full bags of HDPE containers	Full bags of plastic totes



University of Toronto – Waste Audit Photos from Compactor Study (June, 2022)

	
Full bags of mixed containers	Example of cardboard
Sidney Smith Building	
	
Compactor Load – Overall View	Full bag of Ethyl Alcohol Containers
	
Typical bag of Lab wastes	Typical bag labelled “Hazardous”



University of Toronto – Waste Audit Photos from Compactor Study (June, 2022)



Typical bag labelled “Biohazard Autoclave”



Example of soil in load

Edward Johnson Building



Compactor Load – Overall View



Typical Full Bag of Mixed Containers



Typical Cardboard in Load



Typical Cardboard in Load

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## **Appendix B**

### **Waste Audit Data**

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# Waste Audit Report

University of Toronto, St George Campus  
SDK Project P1323

Table B1: Waste Audit Sample Summary

Site	Building Name	Address	Date	GARBAGE SAMPLE COLLECTED (in kg)											Notes
				Blue	Yellow	Black	Green	Red	White	Unlabeled		Common Rooms	Residential	TOTAL	
				Offices	Labs	Public Areas	Cafeteria	Washrooms	Living Areas	Unlabeled	Classrooms			SAMPLE	
1	Rehabilitation Sciences Building	500 University Ave.	Jun.13/22	2.12	----	1.32	1.43	----	0.64	----	----	----	----	5.51	
2	Faculty of Dentistry	124 Edward St.	Jun.13/22	----	----	----	----	----	----	4.35	----	----	----	4.35	
3	Chestnut Residence	89 Chestnut St.	Jun.14/22	----	----	----	----	----	----	----	----	----	----	0.00	No Sample
4	OISE	252 Bloor St. W.	Jun.14/22	----	----	17.86	----	----	----	----	----	----	----	17.86	
5	Faculty of Social Work	246 Bloor St. W.	Jun.14/22	5.78	----	6.01	1.75	3.84	----	----	----	----	----	17.38	
6	Goldring Centre for High Performance	100 Devonshire Pl.	Jun.14/22	13.25	5.20	10.88	1.87	6.62	8.21	----	----	----	----	46.03	
7	Robarts Library	130 St. George St.	Jun.15/22	3.93	----	25.11	37.21	18.24	----	13.44	----	----	----	97.93	
8	School of Continuing Studies	158 St. George St.	Jun.15/22	1.56	----	0.74	----	0.63	----	----	----	----	----	2.93	
9	Jackman Humanities Institute	170 St. George St.	Jun.15/22	2.47	----	1.36	17.35	2.83	----	----	----	----	----	24.01	
10	Innis College	2 Susses Ave.	Jun.15/22	0.73	----	4.22	4.00	1.85	----	----	----	----	----	10.80	
11	Leslie Dan Faculty of Pharmacy	144 College St.	Jun.16/22	3.71	10.14	10.76	0.43	4.84	1.76	2.15	----	----	----	33.79	
12	F.O.E.		Jun.16/22	21.85	----	30.84	14.35	7.47	----	----	----	----	----	74.51	
13	Early Learning Centre	7 Glen Morris St.	Jun.16/22	----	----	----	----	----	18.05	----	----	----	----	18.05	
14	Co-Op Day Care	370 Huron St.	Jun.16/22	----	----	----	----	----	6.05	----	----	----	----	6.05	
15	Massey College	4 Devonshire Pl.	Jun.17/22	----	----	----	----	----	----	3.56	----	----	----	3.56	
16	Innis College Residence	111 St. George St.	Jun.17/22	1.03	----	12.62	----	0.73	----	----	----	----	----	14.38	
17	Rotman Commerce	125 St. George St.	Jun.17/22	9.15	----	13.15	3.03	4.12	----	----	----	----	----	29.45	
18	Newman Centre	89 St. George St.	Jun.17/22	----	----	----	----	----	----	----	----	----	----	0.00	No Sample
TOTAL				65.58	15.34	134.87	81.42	51.17	34.71	23.50	0.00	0.00	0.00	406.59	



**Waste Audit Report**  
University of Toronto, St George Campus  
SDK Project P1323

**Table B2: GARBAGE Waste Audit Sample Summary**

Audit Location	Audited Building Name	Audit Date	Total Sample kg	Total Sample %
1	Rehabilitation Sciences Building	Jun.13/22	5.51	1.4%
2	Faculty of Dentistry	Jun.13/22	4.35	1.1%
3	Chestnut Residence	Jun.14/22	0.00	0.0%
4	OISE	Jun.14/22	17.86	4.4%
5	Faculty of Social Work	Jun.14/22	17.38	4.3%
6	Goldring Centre for High Performance	Jun.14/22	46.03	11.3%
7	Robarts Library	Jun.15/22	97.93	24.1%
8	School of Continuing Studies	Jun.15/22	2.93	0.7%
9	Jackman Humanities Institute	Jun.15/22	24.01	5.9%
10	Innis College	Jun.15/22	10.80	2.7%
11	Leslie Dan Faculty of Pharmacy	Jun.16/22	33.79	8.3%
12	F.O.E.	Jun.16/22	74.51	18.3%
13	Early Learning Centre	Jun.16/22	18.05	4.4%
14	Co-Op Day Care	Jun.16/22	6.05	1.5%
15	Massey College	Jun.17/22	3.56	0.9%
16	Innis College Residence	Jun.17/22	14.38	3.5%
17	Rotman Commerce	Jun.17/22	29.45	7.2%
18	Newman Centre	Jun.17/22	0.00	0.0%
Total Sample:			406.59	100.0%

**TableB3: Overall GARBAGE Composition Summary**

Area of Collection:	Office & Admin		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabelled		Total
Total Weight of Sample (in kg):	65.58		15.34		134.87		81.42		51.17		34.71		23.50		406.59
Total Percent of Sample (in %):	16.1%		3.8%		33.2%		20.0%		12.6%		8.5%		5.8%		100.0%
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	
PET (#1)	0.78	1.2%	0.00	0.0%	3.08	2.3%	1.73	2.1%	0.50	1.0%	0.51	1.5%	0.37	1.6%	6.97 1.7%
HDPE (#2)	0.04	0.1%	0.00	0.0%	0.05	0.0%	0.07	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.16 0.0%
PP (#5)	0.27	0.4%	0.00	0.0%	1.57	1.2%	0.65	0.8%	0.47	0.9%	0.15	0.4%	0.29	1.2%	3.40 0.8%
PS (#6)	0.14	0.2%	0.00	0.0%	0.57	0.4%	0.31	0.4%	0.05	0.1%	0.05	0.1%	0.11	0.5%	1.23 0.3%
Glass	0.07	0.1%	0.00	0.0%	0.79	0.6%	0.93	1.1%	0.00	0.0%	1.50	4.3%	0.61	2.6%	3.90 1.0%
Aluminum	1.42	2.2%	0.20	1.3%	2.60	1.9%	0.99	1.2%	0.00	0.0%	0.18	0.5%	0.72	3.1%	6.11 1.5%
Steel	0.00	0.0%	0.00	0.0%	0.08	0.1%	0.02	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.10 0.0%
Gable Top	0.04	0.1%	0.21	1.4%	0.80	0.6%	0.19	0.2%	0.00	0.0%	0.00	0.0%	0.01	0.0%	1.25 0.3%
Aseptic	0.09	0.1%	0.10	0.7%	0.94	0.7%	0.25	0.3%	0.00	0.0%	0.25	0.7%	0.05	0.2%	1.68 0.4%
Fine Papers	24.17	36.9%	1.53	10.0%	11.68	8.7%	9.98	12.3%	0.22	0.4%	1.48	4.3%	1.16	4.9%	50.22 12.4%
Newsprint	0.43	0.7%	0.00	0.0%	2.26	1.7%	6.48	8.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	9.17 2.3%
Boxboard	6.59	10.0%	3.69	24.1%	19.56	14.5%	12.90	15.8%	1.72	3.4%	4.72	13.6%	3.43	14.6%	52.61 12.9%
Other Paper Fibres	2.08	3.2%	0.12	0.8%	3.70	2.7%	2.09	2.6%	0.16	0.3%	0.62	1.8%	0.99	4.2%	9.76 2.4%
Corrugated Cardboard	1.51	2.3%	0.40	2.6%	2.87	2.1%	0.87	1.1%	0.00	0.0%	1.41	4.1%	0.39	1.7%	7.45 1.8%
Compostable Fibres	11.37	17.3%	7.65	49.9%	20.88	15.5%	13.26	16.3%	35.27	68.9%	6.53	18.8%	7.57	32.2%	102.53 25.2%
Organic Food Waste	3.99	6.1%	0.00	0.0%	26.70	19.8%	14.04	17.2%	4.52	8.8%	0.54	1.6%	2.00	8.5%	51.79 12.7%
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%	0.00	0.0%	0.00 0.0%
Other Fiber Drink Cups	1.10	1.7%	0.18	1.2%	2.44	1.8%	1.96	2.4%	0.00	0.0%	0.07	0.2%	0.05	0.2%	5.80 1.4%
Coffee Cups	3.05	4.7%	0.56	3.7%	7.87	5.8%	5.28	6.5%	2.36	4.6%	0.53	1.5%	1.40	6.0%	21.05 5.2%
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%
LDPE Plastic Films	1.01	1.5%	0.01	0.1%	0.83	0.6%	0.33	0.4%	0.08	0.2%	0.16	0.5%	0.15	0.6%	2.57 0.6%
Styrofoam	0.66	1.0%	0.27	1.8%	0.25	0.2%	0.26	0.3%	0.00	0.0%	0.00	0.0%	0.10	0.4%	1.54 0.4%
Mixed Plastics	0.49	0.7%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.49 0.1%
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%	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%	0.00	0.0%	0.00 0.0%
Scrap Metals	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%
Scrap Woods	0.04	0.1%	0.00	0.0%	0.07	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.04	0.2%	0.15 0.0%
Electronic Wastes	0.23	0.4%	0.00	0.0%	1.04	0.8%	0.13	0.2%	0.00	0.0%	0.15	0.4%	0.00	0.0%	1.55 0.4%
Bulbs & Ballasts	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%
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%
Textiles	0.00	0.0%	0.00	0.0%	1.14	0.8%	0.00	0.0%	0.00	0.0%	0.14	0.4%	2.15	9.1%	3.43 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%	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%	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%	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%	0.00	0.0%	0.00 0.0%
PPE	0.15	0.2%	0.26	1.7%	0.47	0.3%	0.36	0.4%	0.14	0.3%	0.28	0.8%	0.13	0.6%	1.79 0.4%
Latex/Nitrile 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%	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%	0.00	0.0%	0.00 0.0%
Other / Non recyclable	5.86	8.9%	0.16	1.0%	22.63	16.8%	8.32	10.2%	5.68	11.1%	15.44	44.5%	1.78	7.6%	59.87 14.7%
QAQC Check	65.58	100.0%	15.34	100.0%	134.87	100.0%	81.42	100.0%	51.17	100.0%	34.71	100.0%	23.50	100.0%	406.59 100.0%
Total Mixed Containers	2.85	4.3%	0.51	3.3%	10.48	7.8%	5.14	6.3%	1.02	2.0%	2.64	7.6%	2.16	9.2%	24.80 6.1%
Total Mixed Fibres	33.27	50.7%	5.34	34.8%	37.20	27.6%	31.45	38.6%	2.10	4.1%	6.82	19.6%	5.58	23.7%	121.76 29.9%

Note: Highlighted cells are those materials present in quantities > 5%.

**Table B4: Garbage to Landfill Composition (Ranked)**

Total Weight of waste shipped off-site: 791.11				
Composition	Percent	Tonnes	Recycle?	Assumed Capture Amount
Total Mixed Fibres	29.9%	236.91	Yes	142.1
Compostable Fibres	25.2%	199.49	Yes	119.7
Other / Non recyclable	14.7%	116.49	No	
Organic Food Waste	12.7%	100.77	Yes	60.5
Total Mixed Containers	6.1%	48.25	Yes	29.0
Coffee Cups	5.2%	40.96	Yes	24.6
Corrugated Cardboard	1.8%	14.50	Yes	8.7
Other Fiber Drink Cups	1.4%	11.29	No	0.6
Textiles	0.8%	6.67	Yes	4.0
LDPE Plastic Films	0.6%	5.00	Yes	3.0
PPE	0.4%	3.48	No	
Electronic Wastes	0.4%	3.02	Yes	1.8
Styrofoam	0.4%	3.00	Yes	1.8
Mixed Plastics	0.1%	0.95	Yes	0.6
Scrap Woods	0.04%	0.29	Yes	0.2
Scrap Metals	0.005%	0.04	Yes	0.0
Total	100.0%	791.11		
Note 1: Assume 60% capture rate				
Recycling/Reuse Potential 395.9				

**Table B7: Mandatory vs Other Recyclable vs Non-Recyclable**

Waste Generating Area	Office & Admin		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabelled		Total
O.Reg.103 - Mandatory Recyclable	27.60	42.1%	2.13	13.9%	20.28	15.0%	19.27	23.7%	0.22	0.4%	4.57	13.2%	2.88	12.3%	76.95 18.9%
Other Recyclable	30.87	47.1%	12.61	82.2%	87.91	65.2%	51.51	63.3%	45.13	88.2%	14.21	40.9%	16.51	70.3%	258.75 63.6%
Non-Recyclable	7.11	10.8%	0.60	3.9%	26.68	19.8%	10.64	13.1%	5.82	11.4%	15.93	45.9%	4.11	17.5%	70.89 17.4%
QAQC Check	65.58	100.0%	15.34	100.0%	134.87	100.0%	81.42	100.0%	51.17	100.0%	34.71	100.0%	23.50	100.0%	406.59 100.0%
TRUE															

**Table B5: Mixed Container Summary**

Material	Garbage Sample	Percent		Disposed	Recycled
	24.80			48.25	148.35
	kg	%	MT	MT	
PET (#1 Plastic)	6.97	28.1%	13.56	41.69	
HDPE (#2 Plastic)	0.16	0.6%	0.31	0.96	
PP (#5 Plastic)	3.40	13.7%	6.62	20.34	
PS (#6 Plastic)	1.23	5.0%	2.39	7.36	
Glass	3.90	15.7%	7.59	23.33	
Aluminum	6.11	24.6%	11.89	36.55	
Steel	0.10	0.4%	0.19	0.60	
Gable Top	1.25	5.0%	2.43	7.48	
Aseptic	1.68	6.8%	3.27	10.05	
Total	24.80	100.0%	48.25	148.35	

**Table B6: Mixed Paper Summary**

Material	Garbage Sample	Percent		Disposed	Recycled
	121.76			236.91	117.31
	kg	%	MT	MT	
Fine Papers	50.22	41.2%	97.71	48.38	
Newsprint	9.17	7.5%	17.84	8.83	
Boxboard	52.61	43.2%	102.36	50.69	
Other Fibres	9.76	8.0%	18.99	9.40	
Total	121.76	100.0%	236.91	117.31	

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Material category	Rehabilitation Sciences Building	Faculty of Dentistry	Chestnut Residence	OISE	Faculty of Social Work	Goldring Centre for High Performance	Robarts Library	School of Continuing Studies	Jackman Humanities Institute	Innis College	Leslie Dan Faculty of Pharmacy	F.O.E.	Early Learning Centre	Co-Op Day Care	Massey College	Innis College Residence	Rotman Commerce	Newman Centre	Overall	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	%
Total	2.12	0.00	0.00	0.00	5.78	13.25	3.93	1.56	2.47	0.73	3.71	21.85	0.00	0.00	0.00	1.03	9.15	0.00	65.58	100.0%
Percentage	3.2%	0.0%	0.0%	0.0%	8.8%	20.2%	6.0%	2.4%	3.8%	1.1%	5.7%	33.3%	0.0%	0.0%	0.0%	1.6%	14.0%	0.0%	1.00	TRUE

[illegible]

Table B10: Public Areas Garbage Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Material category	Rehabilitation Sciences Building	Faculty of Dentistry	Chestnut Residence	OISE	Faculty of Social Work	Golding Centre for High Performance	Robarts Library	School of Continuing Studies	Jackman Humanities Institute	Innis College	Leslie Dan Faculty of Pharmacy	F.O.E.	Early Learning Centre	Co-Op Day Care	Massey College	Innis College Residence	Rotman Commerce	Newman Centre	Overall	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		kg	kg	%
Total	1.32	0.00	0.00	17.86	6.01	10.88	25.11	0.74	1.36	4.22	10.76	30.84	0.00	0.00	0.00	12.62	13.15		134.87	100.0%
Percentage	1.0%	0.0%	0.0%	13.2%	4.5%	8.1%	18.6%	0.5%	1.0%	3.1%	8.0%	22.9%	0.0%	0.0%	0.0%	9.4%	9.8%	0.0%	1.00	TRUE

Table B11: Cafeteria Garbage Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Material category	Rehabilitation Sciences Building	Faculty of Dentistry	Chestnut Residence	OISE	Faculty of Social Work	Golding Centre for High Performance	Robarts Library	School of Continuing Studies	Jackman Humanities Institute	Innis College	Leslie Dan Faculty of Pharmacy	F.O.E.	Early Learning Centre	Co-Op Day Care	Massey College	Innis College Residence	Rotman Commerce	Newman Centre	Overall	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		kg	kg	%
Total	1.43	0.00	0.00	0.00	1.75	1.87	37.21	0.00	17.35	4.00	0.43	14.35	0.00	0.00	0.00	0.00	3.03	0.00	81.42	100.0%
Percentage	1.8%	0.0%	0.0%	0.0%	2.1%	2.3%	45.7%	0.0%	21.3%	4.9%	0.5%	17.6%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	1.00	TRUE

Table B12: Washrooms Garbage Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Material category	Rehabilitation Sciences Building	Faculty of Dentistry	Chestnut Residence	OISE	Faculty of Social Work	Golding Centre for High Performance	Robarts Library	School of Continuing Studies	Jackman Humanities Institute	Innis College	Leslie Dan Faculty of Pharmacy	F.O.E.	Early Learning Centre	Co-Op Day Care	Massey College	Innis College Residence	Rotman Commerce	Newman Centre	Overall	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		kg	kg	%
Total	0.00	0.00	0.00	0.00	3.84	6.62	18.24	0.63	2.83	1.85	4.84	7.47	0.00	0.00	0.00	0.73	4.12	0.00	51.17	100.0%
Percentage	0.0%	0.0%	0.0%	0.0%	7.5%	12.9%	35.6%	1.2%	5.5%	3.6%	9.5%	14.6%	0.0%	0.0%	0.0%	1.4%	8.1%	0.0%	1.00	TRUE

Table B13 : Living Area Garbage Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Material category	Rehabilitation Sciences Building	Faculty of Dentistry	Chestnut Residence	OISE	Faculty of Social Work	Golding Centre for High Performance	Robarts Library	School of Continuing Studies	Jackman Humanities Institute	Innis College	Leslie Dan Faculty of Pharmacy	F.O.E.	Early Learning Centre	Co-Op Day Care	Massey College	Innis College Residence	Rotman Commerce	Newman Centre	Overall	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		kg	kg	%
Total	0.64	0.00	0.00	0.00	0.00	8.21	0.00	0.00	0.00	0.00	1.76	0.00	18.05	6.05	0.00	0.00	0.00	0.00	34.71	100.0%
Percentage	1.8%	0.0%	0.0%	0.0%	0.0%	23.7%	0.0%	0.0%	0.0%	0.0%	5.1%	0.0%	52.0%	17.4%	0.0%	0.0%	0.0%	0.0%	1.00	FALSE

Table B14: Unlabelled Garbage Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Material category	Rehabilitation Sciences Building	Faculty of Dentistry	Chestnut Residence	OISE	Faculty of Social Work	Goldring Centre for High Performance	Robarts Library	School of Continuing Studies	Jackman Humanities Institute	Innis College	Leslie Dan Faculty of Pharmacy	F.O.E.	Early Learning Centre	Co-Op Day Care	Massey College	Innis College Residence	Rotman Commerce	Newman Centre	Overall	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		kg	kg	%
Total	0.00	4.35	0.00	0.00	0.00	0.00	13.44	0.00	0.00	0.00	2.15	0.00	0.00	0.00	3.56	0.00	0.00	0.00	23.50	100.0%
Percentage	0.0%	18.5%	0.0%	0.0%	0.0%	0.0%	57.2%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%	15.1%	0.0%	0.0%	0.0%	1.00	FALSE

# Waste Audit Report

University of Toronto, St George Campus

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**Table B15: Annual Waste Management & Recycling Quantities**

Waste Material	Recycled/ Reused, Disposed	Annual Quantities '20 - Apr '21			May
		kg	MT	%	
Waste/Garbage	Disposed		791.11	100.0%	
<b>Sub-Total</b>			<b>791.11</b>		
Mixed Papers	Recycled		116.11	6.1%	
Paper Towels	Recycled		36.00	1.9%	
Miscellaneous Paper	Recycled		1.20	0.1%	
Cardboard	Recycled		153.23	8.1%	
Confidential Papers	Recycled		60.00	3.2%	
Scrap Wood	Recycled		159.99	8.4%	
Scrap Metals	Recycled		38.66	2.0%	
Asphalt	Recycled		12.00	0.6%	
Stone, Pavers & Screening	Recycled		148.00	7.8%	
Soil from Construction Projects	Recycled		30.00	1.6%	
Concrete from Construction	Recycled		12.00	0.6%	
Clean Fill	Recycled		12.00	0.6%	
Batteries	Recycled		0.60	0.0%	
Fluorescent Bulbs	Recycled		0.00	0.0%	
Polystyrene	Recycled		3.00	0.2%	
Aero. Misc. Pick Ups	Recycled		3.60	0.2%	
89 Chestnut Mixed Containers	Recycled		120.00	6.3%	
M. Hall Mixed Containers	Recycled		12.00	0.6%	
Mixed Containers	Recycled		16.35	0.9%	
Coffee Cups	Recycled		0.00	0.0%	
Amber Bottles	Recycled		3.60	0.2%	
Electronic Wastes	Recycled		10.21	0.5%	
Mixed Plastics	Recycled		1.50	0.1%	
Misc: tires, mattresses, rocks etc.	Recycled		0.61	0.0%	
Lab Glass & Plastic	Recycled		30.00	1.6%	
Recycling from Compactor Loads	Recycled			0.0%	
Yard Wastes	Composted		83.96	4.4%	
Animal Bedding	Composted		148.74	7.8%	
Soil & Plant P/U	Composted		60.00	3.2%	
Plant & Tree Use, Composting	Composted		0.00	0.0%	
Grass & Wood Mulch	Composted		48.00	2.5%	
Catch Basin Material	Composted		12.00	0.6%	
Organics	Composted		216.00	11.4%	
89 Chestnut Organics	Composted		240.00	12.6%	
Swap Shop - Out, Including Pad	Reused		15.87	0.8%	
In-Swap	Reused		12.00	0.6%	
Campus Furniture Projects	Reused		0.00	0.0%	
Wood Pallets	Reused		12.00	0.6%	
LCBO/Beer Store Returns	Reused		13.47	0.7%	
Reduction via Various Programs	Reduced		60.00	3.2%	
<b>Sub-Total</b>			<b>1902.71</b>		
Total Generated			2693.82	100.0%	
Total Recycled			980.67	36.4%	
Total Reused			53.34	2.0%	
Total Reduced			60.00	2.2%	
Total Composted			808.70	30.0%	
Total Disposed			791.11	29.4%	
<b>Achieved Waste Diversion Rate</b>				<b>70.6%</b>	
<b>Additional Recyclable Materials in Wastes Disposed to Landfill (MT)</b>				<b>395.91</b>	
<b>Potential Waste Diversion Rate</b>				<b>85.3%</b>	

Notes:

Detailed records of annual weights provided by UofT. Most recent complete data available.

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Rehabilitation Sciences Buildin 500 University Ave.  
**Date:** Jun.13/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabelled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White					
Total Weight of Sample (in kg):	2.12				1.32		1.43				0.64				5.51	
Total Percent of Sample (in %):	38.5%		0.0%		24.0%		26.0%		0.0%		11.6%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.03	1.4%			0.03	2.3%	0.09	6.3%			0.05	7.8%			0.20	3.6%
HDPE (#2)	0.00	0.0%			0.00	0.0%	0.02	1.4%			0.00	0.0%			0.02	0.4%
PP (#5)	0.04	1.9%			0.00	0.0%	0.05	3.5%			0.04	6.3%			0.13	2.4%
PS (#6)	0.00	0.0%			0.00	0.0%	0.03	2.1%			0.04	6.3%			0.07	1.3%
Glass	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%			0.08	6.1%	0.00	0.0%			0.09	14.1%			0.17	3.1%
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%			0.00	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%			0.01	1.6%			0.01	0.2%
Fine Papers	0.00	0.0%			0.07	5.3%	0.10	7.0%			0.00	0.0%			0.17	3.1%
Newsprint	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%			0.00	0.0%
Boxboard	0.14	6.6%			0.10	7.6%	0.09	6.3%			0.09	14.1%			0.42	7.6%
Other Paper Fibres	0.08	3.8%			0.00	0.0%	0.06	4.2%			0.00	0.0%			0.14	2.5%
Corrugated Cardboard	0.08	3.8%			0.00	0.0%	0.11	7.7%			0.00	0.0%			0.19	3.4%
Compostable Fibres	0.22	10.4%			0.07	5.3%	0.14	9.8%			0.00	0.0%			0.43	7.8%
Organic Food Waste	1.02	48.1%			0.08	6.1%	0.25	17.5%			0.00	0.0%			1.35	24.5%
Compostable Dishware	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%			0.00	0.0%
Other Fiber Drink Cups	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%			0.00	0.0%
Coffee Cups	0.36	17.0%			0.05	3.8%	0.08	5.6%			0.04	6.3%			0.53	9.6%
Coffee Pods	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%			0.00	0.0%
LDPE Plastic Films	0.01	0.5%			0.02	1.5%	0.05	3.5%			0.00	0.0%			0.08	1.5%
Styrofoam	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%			0.00	0.0%
Mixed 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 Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%			0.00	0.0%
Scrap Metals	0.00	0.0%			0.00	0.0%	0.00	0.0%			0.00	0.0%			0.00	0.0%
Scrap Woods	0.00	0.0%			0.03	2.3%	0.00	0.0%			0.00	0.0%			0.03	0.5%
Electronic Wastes	0.00	0.0%			0.64	48.5%	0.13	9.1%			0.15	23.4%			0.92	16.7%
Bulbs & Ballats	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%
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%	0.00	0.0%			0.01	1.6%			0.01	0.2%
Latex/Nitrile 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%
Other / Non recyclable	0.14	6.6%			0.15	11.4%	0.23	16.1%			0.12	18.8%			0.64	11.6%
Total QAQC Check	2.12	100.0%			1.32	100.0%	1.43	100.0%			0.64	100.0%			5.51	100.0%
Total Mixed Containers	0.07	3.3%			0.11	8.3%	0.19	13.3%			0.23	35.9%			0.60	10.9%
Total Mixed Fibres	0.22	10.4%			0.17	12.9%	0.25	17.5%			0.09	14.1%			0.73	13.2%
O.Reg.103/94 - Mandatory	0.08	3.8%			0.15	11.4%	0.21	14.7%			0.09	14.1%			0.53	9.6%
Other Recyclables	1.90	89.6%			1.02	77.3%	0.99	69.2%			0.43	67.2%			4.34	78.8%
Non-Recyclables	0.14	6.6%			0.15	11.4%	0.23	16.1%			0.12	18.8%			0.64	11.6%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Faculty of Dentistry 124 Edward St.  
**Date:** Jun.13/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):													4.35		4.35	
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	%
PET (#1)													0.13	3.0%	0.13	3.0%
HDPE (#2)													0.00	0.0%	0.00	0.0%
PP (#5)													0.07	1.6%	0.07	1.6%
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%
Fine Papers													0.23	5.3%	0.23	5.3%
Newsprint													0.00	0.0%	0.00	0.0%
Boxboard													1.05	24.1%	1.05	24.1%
Other Paper Fibres													0.10	2.3%	0.10	2.3%
Corrugated Cardboard													0.00	0.0%	0.00	0.0%
Compostable Fibres													2.60	59.8%	2.60	59.8%
Organic Food Waste													0.10	2.3%	0.10	2.3%
Compostable Dishware													0.00	0.0%	0.00	0.0%
Other Fiber Drink Cups													0.00	0.0%	0.00	0.0%
Coffee Cups													0.00	0.0%	0.00	0.0%
Coffee Pods													0.00	0.0%	0.00	0.0%
LDPE Plastic Films													0.03	0.7%	0.03	0.7%
Styrofoam													0.00	0.0%	0.00	0.0%
Mixed 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%
Scrap Metals													0.00	0.0%	0.00	0.0%
Scrap Woods													0.00	0.0%	0.00	0.0%
Electronic Wastes													0.00	0.0%	0.00	0.0%
Bulbs & Ballasts													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%
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													0.02	0.5%	0.02	0.5%
Latex/Nitrile Gloves													0.00	0.0%	0.00	0.0%
Single Use Plastics													0.00	0.0%	0.00	0.0%
Other / Non recyclable													0.02	0.5%	0.02	0.5%
Total QAQC Check													4.35	100.0%	4.35	100.0%
Total Mixed Containers													0.20	4.6%	0.20	4.6%
Total Mixed Fibres													1.38	31.7%	1.38	31.7%
O.Reg.103/94 - Mandatory													0.23	5.3%	0.23	5.3%
Other Recyclables													4.10	94.3%	4.10	94.3%
Non-Recyclables													0.02	0.5%	0.02	0.5%

**General Comments and Observations:**



**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** OISE 252 Bloor St. W.  
**Date:** Jun.14/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):					17.86										17.86	
Total Percent of Sample (in %):	0.0%		0.0%		100.0%		0.0%		0.0%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)					0.75	4.2%									0.75	4.2%
HDPE (#2)					0.00	0.0%									0.00	0.0%
PP (#5)					0.42	2.4%									0.42	2.4%
PS (#6)					0.11	0.6%									0.11	0.6%
Glass					0.62	3.5%									0.62	3.5%
Aluminum					0.41	2.3%									0.41	2.3%
Steel					0.00	0.0%									0.00	0.0%
Gable Top					0.01	0.1%									0.01	0.1%
Aseptic					0.00	0.0%									0.00	0.0%
Fine Papers					0.05	0.3%									0.05	0.3%
Newsprint					0.09	0.5%									0.09	0.5%
Boxboard					0.66	3.7%									0.66	3.7%
Other Paper Fibres					0.50	2.8%									0.50	2.8%
Corrugated Cardboard					0.02	0.1%									0.02	0.1%
Compostable Fibres					0.29	1.6%									0.29	1.6%
Organic Food Waste					9.61	53.8%									9.61	53.8%
Compostable Dishware					0.00	0.0%									0.00	0.0%
Other Fiber Drink Cups					0.44	2.5%									0.44	2.5%
Coffee Cups					1.75	9.8%									1.75	9.8%
Coffee Pods					0.00	0.0%									0.00	0.0%
LDPE Plastic Films					0.15	0.8%									0.15	0.8%
Styrofoam					0.02	0.1%									0.02	0.1%
Mixed 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%
Scrap Metals					0.00	0.0%									0.00	0.0%
Scrap Woods					0.00	0.0%									0.00	0.0%
Electronic Wastes					0.00	0.0%									0.00	0.0%
Bulbs & Ballasts					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%
Textiles					0.72	4.0%									0.72	4.0%
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					0.03	0.2%									0.03	0.2%
Latex/Nitrile Gloves					0.00	0.0%									0.00	0.0%
Single Use Plastics					0.00	0.0%									0.00	0.0%
Other / Non recyclable					1.21	6.8%									1.21	6.8%
Total QAQC Check					17.86	100.0%									17.86	100.0%
Total Mixed Containers					2.32	13.0%									2.32	13.0%
Total Mixed Fibres					1.30	7.3%									1.30	7.3%
O.Reg.103/94 - Mandatory					1.19	6.7%									1.19	6.7%
Other Recyclables					15.46	86.6%									15.46	86.6%
Non-Recyclables					1.21	6.8%									1.21	6.8%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Faculty of Social Work 246 Bloor St. W.  
**Date:** Jun.14/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	5.78				6.01		1.75		3.84						17.38	
Total Percent of Sample (in %):	33.3%		0.0%		34.6%		10.1%		22.1%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.11	1.9%			0.05	0.8%	0.00	0.0%	0.00	0.0%					0.16	0.9%
HDPE (#2)	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
PP (#5)	0.04	0.7%			0.15	2.5%	0.11	6.3%	0.00	0.0%					0.30	1.7%
PS (#6)	0.02	0.3%			0.05	0.8%	0.00	0.0%	0.00	0.0%					0.07	0.4%
Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Aluminum	0.26	4.5%			0.26	4.3%	0.00	0.0%	0.00	0.0%					0.52	3.0%
Steel	0.00	0.0%			0.08	1.3%	0.00	0.0%	0.00	0.0%					0.08	0.5%
Gable Top	0.01	0.2%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.01	0.1%
Aseptic	0.05	0.9%			0.03	0.5%	0.00	0.0%	0.00	0.0%					0.08	0.5%
Fine Papers	1.29	22.3%			0.34	5.7%	0.24	13.7%	0.00	0.0%					1.87	10.8%
Newsprint	0.25	4.3%			0.12	2.0%	0.03	1.7%	0.00	0.0%					0.40	2.3%
Boxboard	2.13	36.9%			0.09	1.5%	0.13	7.4%	0.00	0.0%					2.35	13.5%
Other Paper Fibres	0.06	1.0%			0.10	1.7%	0.00	0.0%	0.00	0.0%					0.16	0.9%
Corrugated Cardboard	0.34	5.9%			0.05	0.8%	0.00	0.0%	0.00	0.0%					0.39	2.2%
Compostable Fibres	0.11	1.9%			1.22	20.3%	0.64	36.6%	3.40	88.5%					5.37	30.9%
Organic Food Waste	0.15	2.6%			1.80	30.0%	0.00	0.0%	0.00	0.0%					1.95	11.2%
Compostable Dishware	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Other Fiber Drink Cups	0.24	4.2%			0.14	2.3%	0.04	2.3%	0.00	0.0%					0.42	2.4%
Coffee Cups	0.08	1.4%			0.69	11.5%	0.09	5.1%	0.01	0.3%					0.87	5.0%
Coffee Pods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
LDPE Plastic Films	0.03	0.5%			0.06	1.0%	0.00	0.0%	0.00	0.0%					0.09	0.5%
Styrofoam	0.01	0.2%			0.01	0.2%	0.00	0.0%	0.00	0.0%					0.02	0.1%
Mixed 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 Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Metals	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Woods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Electronic Wastes	0.23	4.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.23	1.3%
Bulbs & Ballasts	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%
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	0.01	0.2%			0.02	0.3%	0.00	0.0%	0.01	0.3%					0.04	0.2%
Latex/Nitrile 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%
Other / Non recyclable	0.36	6.2%			0.75	12.5%	0.47	26.9%	0.42	10.9%					2.00	11.5%
Total QAQC Check	5.78	100.0%			6.01	100.0%	1.75	100.0%	3.84	100.0%					17.38	100.0%
Total Mixed Containers	0.49	8.5%			0.62	10.3%	0.11	6.3%	0.00	0.0%					1.22	7.0%
Total Mixed Fibres	3.73	64.5%			0.65	10.8%	0.40	22.9%	0.00	0.0%					4.78	27.5%
O.Reg.103/94 - Mandatory	2.14	37.0%			0.85	14.1%	0.27	15.4%	0.00	0.0%					3.26	18.8%
Other Recyclables	3.28	56.7%			4.41	73.4%	1.01	57.7%	3.42	89.1%					12.12	69.7%
Non-Recyclables	0.36	6.2%			0.75	12.5%	0.47	26.9%	0.42	10.9%					2.00	11.5%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Goldring Centre for High Perfo 100 Devonshire Pl.  
**Date:** Jun.14/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	13.25		5.20		10.88		1.87		6.62		8.21				46.03	
Total Percent of Sample (in %):	28.8%		11.3%		23.6%		4.1%		14.4%		17.8%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.00	0.0%	0.00	0.0%	0.09	0.8%	0.01	0.5%	0.03	0.5%	0.06	0.7%			0.19	0.4%
HDPE (#2)	0.00	0.0%	0.00	0.0%	0.02	0.2%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.02	0.0%
PP (#5)	0.00	0.0%	0.00	0.0%	0.15	1.4%	0.00	0.0%	0.01	0.2%	0.05	0.6%			0.21	0.5%
PS (#6)	0.00	0.0%	0.00	0.0%	0.06	0.6%	0.01	0.5%	0.00	0.0%	0.01	0.1%			0.08	0.2%
Glass	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	1.50	18.3%			1.50	3.3%
Aluminum	0.00	0.0%	0.20	3.8%	0.10	0.9%	0.04	2.1%	0.00	0.0%	0.00	0.0%			0.34	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%			0.00	0.0%
Gable Top	0.00	0.0%	0.00	0.0%	0.01	0.1%	0.03	1.6%	0.00	0.0%	0.00	0.0%			0.04	0.1%
Aseptic	0.00	0.0%	0.00	0.0%	0.04	0.4%	0.01	0.5%	0.00	0.0%	0.00	0.0%			0.05	0.1%
Fine Papers	11.13	84.0%	0.00	0.0%	0.85	7.8%	0.27	14.4%	0.00	0.0%	0.21	2.6%			12.46	27.1%
Newsprint	0.03	0.2%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.03	0.1%
Boxboard	0.12	0.9%	0.00	0.0%	1.21	11.1%	0.29	15.5%	1.60	24.2%	2.27	27.6%			5.49	11.9%
Other Paper Fibres	0.05	0.4%	0.00	0.0%	0.35	3.2%	0.17	9.1%	0.00	0.0%	0.00	0.0%			0.57	1.2%
Corrugated Cardboard	0.00	0.0%	0.00	0.0%	0.03	0.3%	0.31	16.6%	0.00	0.0%	1.41	17.2%			1.75	3.8%
Compostable Fibres	1.27	9.6%	4.72	90.8%	1.73	15.9%	0.49	26.2%	4.51	68.1%	1.63	19.9%			14.35	31.2%
Organic Food Waste	0.00	0.0%	0.00	0.0%	2.52	23.2%	0.00	0.0%	0.00	0.0%	0.48	5.8%			3.00	6.5%
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%			0.00	0.0%
Other Fiber Drink Cups	0.00	0.0%	0.00	0.0%	0.46	4.2%	0.03	1.6%	0.00	0.0%	0.07	0.9%			0.56	1.2%
Coffee Cups	0.57	4.3%	0.19	3.7%	1.38	12.7%	0.17	9.1%	0.24	3.6%	0.11	1.3%			2.66	5.8%
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%
LDPE Plastic Films	0.03	0.2%	0.01	0.2%	0.06	0.6%	0.00	0.0%	0.01	0.2%	0.02	0.2%			0.13	0.3%
Styrofoam	0.00	0.0%	0.00	0.0%	0.02	0.2%	0.01	0.5%	0.00	0.0%	0.00	0.0%			0.03	0.1%
Mixed 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%
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%			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%			0.00	0.0%
Scrap Metals	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 Woods	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%
Electronic Wastes	0.00	0.0%	0.00	0.0%	0.40	3.7%	0.00	0.0%	0.00	0.0%	0.00	0.0%			0.40	0.9%
Bulbs & Ballats	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%
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%
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%			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%			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%			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%			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%			0.00	0.0%
PPE	0.00	0.0%	0.05	1.0%	0.03	0.3%	0.01	0.5%	0.01	0.2%	0.00	0.0%			0.10	0.2%
Latex/Nitrile 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%			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%			0.00	0.0%
Other / Non recyclable	0.05	0.4%	0.03	0.6%	1.37	12.6%	0.02	1.1%	0.21	3.2%	0.39	4.8%			2.07	4.5%
Total QAQC Check	13.25	100.0%	5.20	100.0%	10.88	100.0%	1.87	100.0%	6.62	100.0%	8.21	100.0%			46.03	100.0%
Total Mixed Containers	0.00	0.0%	0.20	3.8%	0.47	4.3%	0.10	5.3%	0.04	0.6%	1.62	19.7%			2.43	5.3%
Total Mixed Fibres	11.33	85.5%	0.00	0.0%	2.41	22.2%	0.73	39.0%	1.60	24.2%	2.48	30.2%			18.55	40.3%
O.Reg.103/94 - Mandatory	11.16	84.2%	0.20	3.8%	0.98	9.0%	0.62	33.2%	0.00	0.0%	3.12	38.0%			16.08	34.9%
Other Recyclables	2.04	15.4%	4.97	95.6%	8.53	78.4%	1.23	65.8%	6.41	96.8%	4.70	57.2%			27.88	60.6%
Non-Recyclables	0.05	0.4%	0.03	0.6%	1.37	12.6%	0.02	1.1%	0.21	3.2%	0.39	4.8%			2.07	4.5%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Robarts Library 130 St. George St.  
**Date:** Jun.15/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	3.93				25.11		37.21		18.24				13.44		97.93	
Total Percent of Sample (in %):	4.0%		0.0%		25.6%		38.0%		18.6%		0.0%		13.7%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.00	0.0%			0.08	0.3%	0.55	1.5%	0.26	1.4%			0.24	1.8%	1.13	1.2%
HDPE (#2)	0.00	0.0%			0.02	0.1%	0.05	0.1%	0.00	0.0%			0.00	0.0%	0.07	0.1%
PP (#5)	0.00	0.0%			0.10	0.4%	0.29	0.8%	0.45	2.5%			0.09	0.7%	0.93	0.9%
PS (#6)	0.00	0.0%			0.07	0.3%	0.20	0.5%	0.05	0.3%			0.06	0.4%	0.38	0.4%
Glass	0.00	0.0%			0.17	0.7%	0.38	1.0%	0.00	0.0%			0.61	4.5%	1.16	1.2%
Aluminum	0.00	0.0%			0.11	0.4%	0.46	1.2%	0.00	0.0%			0.49	3.6%	1.06	1.1%
Steel	0.00	0.0%			0.00	0.0%	0.02	0.1%	0.00	0.0%			0.00	0.0%	0.02	0.0%
Gable Top	0.00	0.0%			0.03	0.1%	0.00	0.0%	0.00	0.0%			0.01	0.1%	0.04	0.0%
Aseptic	0.00	0.0%			0.13	0.5%	0.03	0.1%	0.00	0.0%			0.01	0.1%	0.17	0.2%
Fine Papers	0.64	16.3%			1.87	7.4%	2.85	7.7%	0.00	0.0%			0.84	6.3%	6.20	6.3%
Newsprint	0.00	0.0%			0.05	0.2%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.05	0.1%
Boxboard	0.00	0.0%			2.42	9.6%	6.47	17.4%	0.00	0.0%			1.85	13.8%	10.74	11.0%
Other Paper Fibres	0.28	7.1%			0.85	3.4%	1.01	2.7%	0.00	0.0%			0.63	4.7%	2.77	2.8%
Corrugated Cardboard	0.35	8.9%			1.38	5.5%	0.00	0.0%	0.00	0.0%			0.39	2.9%	2.12	2.2%
Compostable Fibres	1.38	35.1%			5.18	20.6%	7.64	20.5%	7.29	40.0%			3.44	25.6%	24.93	25.5%
Organic Food Waste	0.00	0.0%			3.73	14.9%	8.82	23.7%	4.39	24.1%			1.59	11.8%	18.53	18.9%
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%
Other Fiber Drink Cups	0.00	0.0%			0.38	1.5%	0.98	2.6%	0.00	0.0%			0.05	0.4%	1.41	1.4%
Coffee Cups	0.00	0.0%			1.37	5.5%	2.23	6.0%	2.06	11.3%			0.87	6.5%	6.53	6.7%
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%
LDPE Plastic Films	0.43	10.9%			0.05	0.2%	0.12	0.3%	0.05	0.3%			0.07	0.5%	0.72	0.7%
Styrofoam	0.00	0.0%			0.03	0.1%	0.11	0.3%	0.00	0.0%			0.08	0.6%	0.22	0.2%
Mixed Plastics	0.49	12.5%			0.00	0.0%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.49	0.5%
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%
Scrap Metals	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 Woods	0.00	0.0%			0.03	0.1%	0.00	0.0%	0.00	0.0%			0.04	0.3%	0.07	0.1%
Electronic Wastes	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 & Ballasts	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%
Textiles	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%			0.45	3.3%	0.45	0.5%
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%			0.04	0.2%	0.07	0.2%	0.08	0.4%			0.04	0.3%	0.23	0.2%
Latex/Nitrile 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%
Other / Non recyclable	0.36	9.2%			7.02	28.0%	4.93	13.2%	3.61	19.8%			1.59	11.8%	17.51	17.9%
Total QAQC Check	3.93	100.0%			25.11	100.0%	37.21	100.0%	18.24	100.0%			13.44	100.0%	97.93	100.0%
Total Mixed Containers	0.00	0.0%			0.71	2.8%	1.98	5.3%	0.76	4.2%			1.51	11.2%	4.96	5.1%
Total Mixed Fibres	0.92	23.4%			5.19	20.7%	10.33	27.8%	0.00	0.0%			3.32	24.7%	19.76	20.2%
O.Reg.103/94 - Mandatory	0.99	25.2%			3.58	14.3%	3.71	10.0%	0.00	0.0%			2.33	17.3%	10.61	10.8%
Other Recyclables	2.58	65.6%			14.51	57.8%	28.57	76.8%	14.63	80.2%			9.52	70.8%	69.81	71.3%
Non-Recyclables	0.36	9.2%			7.02	28.0%	4.93	13.2%	3.61	19.8%			1.59	11.8%	17.51	17.9%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** School of Continuing Studies 158 St. George St  
**Date:** Jun.15/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	1.56				0.74				0.63						2.93	
Total Percent of Sample (in %):	53.2%		0.0%		25.3%		0.0%		21.5%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.04	2.6%			0.06	8.1%			0.00	0.0%					0.10	3.4%
HDPE (#2)	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
PP (#5)	0.00	0.0%			0.00	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%
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%
Aseptic	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Fine Papers	0.24	15.4%			0.00	0.0%			0.00	0.0%					0.24	8.2%
Newsprint	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Boxboard	0.63	40.4%			0.00	0.0%			0.00	0.0%					0.63	21.5%
Other Paper Fibres	0.00	0.0%			0.00	0.0%			0.12	19.0%					0.12	4.1%
Corrugated Cardboard	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%			0.51	81.0%					0.51	17.4%
Organic Food Waste	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%
Other Fiber Drink Cups	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Coffee Cups	0.00	0.0%			0.33	44.6%			0.00	0.0%					0.33	11.3%
Coffee Pods	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
LDPE Plastic Films	0.32	20.5%			0.00	0.0%			0.00	0.0%					0.32	10.9%
Styrofoam	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Mixed 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%
Scrap Metals	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Scrap Woods	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Electronic Wastes	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Bulbs & Ballasts	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%
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%
Latex/Nitrile 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%
Other / Non recyclable	0.33	21.2%			0.35	47.3%			0.00	0.0%					0.68	23.2%
Total QAQC Check	1.56	100.0%			0.74	100.0%			0.63	100.0%					2.93	100.0%
Total Mixed Containers	0.04	2.6%			0.06	8.1%			0.00	0.0%					0.10	3.4%
Total Mixed Fibres	0.87	55.8%			0.00	0.0%			0.12	19.0%					0.99	33.8%
O.Reg.103/94 - Mandatory	0.24	15.4%			0.00	0.0%			0.00	0.0%					0.24	8.2%
Other Recyclables	0.99	63.5%			0.39	52.7%			0.63	100.0%					2.01	68.6%
Non-Recyclables	0.33	21.2%			0.35	47.3%			0.00	0.0%					0.68	23.2%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Jackman Humanities Institute 170 St. George St.  
**Date:** Jun.15/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	2.47				1.36		17.35		2.83						24.01	
Total Percent of Sample (in %):	10.3%		0.0%		5.7%		72.3%		11.8%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.22	8.9%			0.04	2.9%	0.57	3.3%	0.00	0.0%					0.83	3.5%
HDPE (#2)	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
PP (#5)	0.01	0.4%			0.09	6.6%	0.03	0.2%	0.00	0.0%					0.13	0.5%
PS (#6)	0.00	0.0%			0.00	0.0%	0.01	0.1%	0.00	0.0%					0.01	0.0%
Glass	0.00	0.0%			0.00	0.0%	0.08	0.5%	0.00	0.0%					0.08	0.3%
Aluminum	0.03	1.2%			0.07	5.1%	0.26	1.5%	0.00	0.0%					0.36	1.5%
Steel	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Gable Top	0.03	1.2%			0.00	0.0%	0.03	0.2%	0.00	0.0%					0.06	0.2%
Aseptic	0.00	0.0%			0.03	2.2%	0.05	0.3%	0.00	0.0%					0.08	0.3%
Fine Papers	1.20	48.6%			0.06	4.4%	5.78	33.3%	0.00	0.0%					7.04	29.3%
Newsprint	0.02	0.8%			0.00	0.0%	6.45	37.2%	0.00	0.0%					6.47	26.9%
Boxboard	0.21	8.5%			0.29	21.3%	0.97	5.6%	0.00	0.0%					1.47	6.1%
Other Paper Fibres	0.02	0.8%			0.03	2.2%	0.01	0.1%	0.03	1.1%					0.09	0.4%
Corrugated Cardboard	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Compostable Fibres	0.23	9.3%			0.15	11.0%	0.97	5.6%	2.79	98.6%					4.14	17.2%
Organic Food Waste	0.17	6.9%			0.12	8.8%	0.38	2.2%	0.00	0.0%					0.67	2.8%
Compostable Dishware	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Other Fiber Drink Cups	0.06	2.4%			0.07	5.1%	0.28	1.6%	0.00	0.0%					0.41	1.7%
Coffee Cups	0.17	6.9%			0.12	8.8%	0.85	4.9%	0.00	0.0%					1.14	4.7%
Coffee Pods	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	0.8%			0.01	0.7%	0.10	0.6%	0.01	0.4%					0.14	0.6%
Styrofoam	0.00	0.0%			0.03	2.2%	0.05	0.3%	0.00	0.0%					0.08	0.3%
Mixed 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 Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Metals	0.00	0.0%			0.00	0.0%	0.02	0.1%	0.00	0.0%					0.02	0.1%
Scrap Woods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Electronic Wastes	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Bulbs & Ballasts	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%
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	0.01	0.4%			0.01	0.7%	0.04	0.2%	0.00	0.0%					0.06	0.2%
Latex/Nitrile 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%
Other / Non recyclable	0.07	2.8%			0.24	17.6%	0.42	2.4%	0.00	0.0%					0.73	3.0%
Total QAQC Check	2.47	100.0%			1.36	100.0%	17.35	100.0%	2.83	100.0%					24.01	100.0%
Total Mixed Containers	0.29	11.7%			0.23	16.9%	1.03	5.9%	0.00	0.0%					1.55	6.5%
Total Mixed Fibres	1.45	58.7%			0.38	27.9%	13.21	76.1%	0.03	1.1%					15.07	62.8%
O.Reg.103/94 - Mandatory	1.25	50.6%			0.13	9.6%	12.57	72.4%	0.00	0.0%					13.95	58.1%
Other Recyclables	1.15	46.6%			0.99	72.8%	4.36	25.1%	2.83	100.0%					9.33	38.9%
Non-Recyclables	0.07	2.8%			0.24	17.6%	0.42	2.4%	0.00	0.0%					0.73	3.0%

**General Comments and Observations:**



**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Innis College 2 Susses Ave.  
**Date:** Jun.15/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	0.73				4.22		4.00		1.85						10.80	
Total Percent of Sample (in %):	6.8%		0.0%		39.1%		37.0%		17.1%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.00	0.0%			0.22	5.2%	0.02	0.5%	0.01	0.5%					0.25	2.3%
HDPE (#2)	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
PP (#5)	0.00	0.0%			0.13	3.1%	0.00	0.0%	0.00	0.0%					0.13	1.2%
PS (#6)	0.00	0.0%			0.07	1.7%	0.01	0.3%	0.00	0.0%					0.08	0.7%
Glass	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%			0.30	7.1%	0.01	0.3%	0.00	0.0%					0.31	2.9%
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%			0.07	1.7%	0.00	0.0%	0.00	0.0%					0.07	0.6%
Aseptic	0.00	0.0%			0.03	0.7%	0.00	0.0%	0.00	0.0%					0.03	0.3%
Fine Papers	0.24	32.9%			0.58	13.7%	0.08	2.0%	0.00	0.0%					0.90	8.3%
Newsprint	0.06	8.2%			0.11	2.6%	0.00	0.0%	0.00	0.0%					0.17	1.6%
Boxboard	0.03	4.1%			0.77	18.2%	3.06	76.5%	0.00	0.0%					3.86	35.7%
Other Paper Fibres	0.01	1.4%			0.03	0.7%	0.04	1.0%	0.00	0.0%					0.08	0.7%
Corrugated Cardboard	0.00	0.0%			0.28	6.6%	0.00	0.0%	0.00	0.0%					0.28	2.6%
Compostable Fibres	0.07	9.6%			0.44	10.4%	0.12	3.0%	1.74	94.1%					2.37	21.9%
Organic Food Waste	0.00	0.0%			0.39	9.2%	0.44	11.0%	0.10	5.4%					0.93	8.6%
Compostable Dishware	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Other Fiber Drink Cups	0.09	12.3%			0.06	1.4%	0.00	0.0%	0.00	0.0%					0.15	1.4%
Coffee Cups	0.21	28.8%			0.37	8.8%	0.05	1.3%	0.00	0.0%					0.63	5.8%
Coffee Pods	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%			0.04	0.9%	0.02	0.5%	0.00	0.0%					0.06	0.6%
Styrofoam	0.00	0.0%			0.03	0.7%	0.00	0.0%	0.00	0.0%					0.03	0.3%
Mixed 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 Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Metals	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Woods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Electronic Wastes	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Bulbs & Ballats	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%
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%			0.03	0.7%	0.15	3.8%	0.00	0.0%					0.18	1.7%
Latex/Nitrile 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%
Other / Non recyclable	0.02	2.7%			0.27	6.4%	0.00	0.0%	0.00	0.0%					0.29	2.7%
Total QAQC Check	0.73	100.0%			4.22	100.0%	4.00	100.0%	1.85	100.0%					10.80	100.0%
Total Mixed Containers	0.00	0.0%			0.82	19.4%	0.04	1.0%	0.01	0.5%					0.87	8.1%
Total Mixed Fibres	0.34	46.6%			1.49	35.3%	3.18	79.5%	0.00	0.0%					5.01	46.4%
O.Reg.103/94 - Mandatory	0.30	41.1%			1.27	30.1%	0.09	2.3%	0.00	0.0%					1.66	15.4%
Other Recyclables	0.41	56.2%			2.68	63.5%	3.91	97.8%	1.85	100.0%					8.85	81.9%
Non-Recyclables	0.02	2.7%			0.27	6.4%	0.00	0.0%	0.00	0.0%					0.29	2.7%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Leslie Dan Faculty of Pharmacy 144 College St.  
**Date:** Jun.16/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	3.71		10.14		10.76		0.43		4.84		1.76		2.15		33.79	
Total Percent of Sample (in %):	11.0%		30.0%		31.8%		1.3%		14.3%		5.2%		6.4%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.06	1.6%	0.00	0.0%	0.64	5.9%	0.00	0.0%	0.00	0.0%	0.12	6.8%	0.00	0.0%	0.82	2.4%
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%	0.00	0.0%	0.00	0.0%
PP (#5)	0.08	2.2%	0.00	0.0%	0.02	0.2%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.13	6.0%	0.23	0.7%
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%	0.03	1.4%	0.03	0.1%
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%
Aluminum	0.13	3.5%	0.00	0.0%	0.36	3.3%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.23	10.7%	0.72	2.1%
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%	0.00	0.0%	0.00	0.0%
Gable Top	0.00	0.0%	0.21	2.1%	0.33	3.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.54	1.6%
Aseptic	0.00	0.0%	0.10	1.0%	0.40	3.7%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.50	1.5%
Fine Papers	0.14	3.8%	1.53	15.1%	1.37	12.7%	0.00	0.0%	0.00	0.0%	0.04	2.3%	0.09	4.2%	3.17	9.4%
Newsprint	0.07	1.9%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.07	0.2%
Boxboard	0.26	7.0%	3.69	36.4%	0.88	8.2%	0.11	25.6%	0.00	0.0%	1.20	68.2%	0.45	20.9%	6.59	19.5%
Other Paper Fibres	0.01	0.3%	0.12	1.2%	0.13	1.2%	0.00	0.0%	0.00	0.0%	0.13	7.4%	0.10	4.7%	0.49	1.5%
Corrugated Cardboard	0.55	14.8%	0.40	3.9%	0.54	5.0%	0.22	51.2%	0.00	0.0%	0.00	0.0%	0.00	0.0%	1.71	5.1%
Compostable Fibres	1.83	49.3%	2.93	28.9%	2.08	19.3%	0.00	0.0%	4.82	99.6%	0.00	0.0%	0.40	18.6%	12.06	35.7%
Organic Food Waste	0.45	12.1%	0.00	0.0%	1.70	15.8%	0.10	23.3%	0.00	0.0%	0.00	0.0%	0.31	14.4%	2.56	7.6%
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%	0.00	0.0%	0.00	0.0%
Other Fiber Drink Cups	0.00	0.0%	0.18	1.8%	0.17	1.6%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.35	1.0%
Coffee Cups	0.07	1.9%	0.37	3.6%	0.41	3.8%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.34	15.8%	1.19	3.5%
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%	0.00	0.0%	0.00	0.0%
LDPE Plastic Films	0.03	0.8%	0.00	0.0%	0.01	0.1%	0.00	0.0%	0.00	0.0%	0.06	3.4%	0.02	0.9%	0.12	0.4%
Styrofoam	0.00	0.0%	0.27	2.7%	0.01	0.1%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.02	0.9%	0.30	0.9%
Mixed 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%
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%	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%	0.00	0.0%	0.00	0.0%
Scrap Metals	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 Woods	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%
Electronic Wastes	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%
Bulbs & Ballasts	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%
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%
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%	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%	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%	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%	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%	0.00	0.0%	0.00	0.0%
PPE	0.03	0.8%	0.21	2.1%	0.02	0.2%	0.00	0.0%	0.02	0.4%	0.08	4.5%	0.01	0.5%	0.37	1.1%
Latex/Nitrile 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%	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%	0.00	0.0%	0.00	0.0%
Other / Non recyclable	0.00	0.0%	0.13	1.3%	1.69	15.7%	0.00	0.0%	0.00	0.0%	0.13	7.4%	0.02	0.9%	1.97	5.8%
Total QAQC Check	3.71	100.0%	10.14	100.0%	10.76	100.0%	0.43	100.0%	4.84	100.0%	1.76	100.0%	2.15	100.0%	33.79	100.0%
Total Mixed Containers	0.27	7.3%	0.31	3.1%	1.75	16.3%	0.00	0.0%	0.00	0.0%	0.12	6.8%	0.39	18.1%	2.84	8.4%
Total Mixed Fibres	0.48	12.9%	5.34	52.7%	2.38	22.1%	0.11	25.6%	0.00	0.0%	1.37	77.8%	0.64	29.8%	10.32	30.5%
O.Reg.103/94 - Mandatory	0.89	24.0%	1.93	19.0%	2.27	21.1%	0.22	51.2%	0.00	0.0%	0.04	2.3%	0.32	14.9%	5.67	16.8%
Other Recyclables	2.82	76.0%	8.08	79.7%	6.80	63.2%	0.21	48.8%	4.84	100.0%	1.59	90.3%	1.81	84.2%	26.15	77.4%
Non-Recyclables	0.00	0.0%	0.13	1.3%	1.69	15.7%	0.00	0.0%	0.00	0.0%	0.13	7.4%	0.02	0.9%	1.97	5.8%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus

**Site:** F.O.E. 0

**Date:** Jun.16/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	21.85				30.84		14.35		7.47						74.51	
Total Percent of Sample (in %):	29.3%		0.0%		41.4%		19.3%		10.0%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.17	0.8%			0.86	2.8%	0.33	2.3%	0.17	2.3%					1.53	2.1%
HDPE (#2)	0.04	0.2%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.04	0.1%
PP (#5)	0.10	0.5%			0.19	0.6%	0.08	0.6%	0.00	0.0%					0.37	0.5%
PS (#6)	0.10	0.5%			0.03	0.1%	0.00	0.0%	0.00	0.0%					0.13	0.2%
Glass	0.07	0.3%			0.00	0.0%	0.47	3.3%	0.00	0.0%					0.54	0.7%
Aluminum	0.97	4.4%			0.47	1.5%	0.17	1.2%	0.00	0.0%					1.61	2.2%
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%			0.35	1.1%	0.13	0.9%	0.00	0.0%					0.48	0.6%
Aseptic	0.04	0.2%			0.22	0.7%	0.16	1.1%	0.00	0.0%					0.42	0.6%
Fine Papers	6.82	31.2%			3.15	10.2%	0.36	2.5%	0.00	0.0%					10.33	13.9%
Newsprint	0.00	0.0%			1.87	6.1%	0.00	0.0%	0.00	0.0%					1.87	2.5%
Boxboard	2.48	11.4%			6.37	20.7%	1.78	12.4%	0.00	0.0%					10.63	14.3%
Other Paper Fibres	1.38	6.3%			0.07	0.2%	0.18	1.3%	0.00	0.0%					1.63	2.2%
Corrugated Cardboard	0.13	0.6%			0.42	1.4%	0.23	1.6%	0.00	0.0%					0.78	1.0%
Compostable Fibres	3.48	15.9%			6.54	21.2%	2.77	19.3%	5.86	78.4%					18.65	25.0%
Organic Food Waste	1.25	5.7%			3.79	12.3%	3.98	27.7%	0.00	0.0%					9.02	12.1%
Compostable Dishware	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Other Fiber Drink Cups	0.69	3.2%			0.43	1.4%	0.63	4.4%	0.00	0.0%					1.75	2.3%
Coffee Cups	1.09	5.0%			0.56	1.8%	1.43	10.0%	0.00	0.0%					3.08	4.1%
Coffee Pods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
LDPE Plastic Films	0.08	0.4%			0.22	0.7%	0.01	0.1%	0.00	0.0%					0.31	0.4%
Styrofoam	0.63	2.9%			0.01	0.0%	0.06	0.4%	0.00	0.0%					0.70	0.9%
Mixed 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 Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Metals	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Woods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Electronic Wastes	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Bulbs & Ballasts	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%
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	0.05	0.2%			0.11	0.4%	0.09	0.6%	0.02	0.3%					0.27	0.4%
Latex/Nitrile 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%
Other / Non recyclable	2.28	10.4%			5.18	16.8%	1.49	10.4%	1.42	19.0%					10.37	13.9%
Total QAQC Check	21.85	100.0%			30.84	100.0%	14.35	100.0%	7.47	100.0%					74.51	100.0%
Total Mixed Containers	1.49	6.8%			2.12	6.9%	1.34	9.3%	0.17	2.3%					5.12	6.9%
Total Mixed Fibres	10.68	48.9%			11.46	37.2%	2.32	16.2%	0.00	0.0%					24.46	32.8%
O.Reg.103/94 - Mandatory	7.99	36.6%			5.91	19.2%	1.23	8.6%	0.00	0.0%					15.13	20.3%
Other Recyclables	11.58	53.0%			19.75	64.0%	11.63	81.0%	6.05	81.0%					49.01	65.8%
Non-Recyclables	2.28	10.4%			5.18	16.8%	1.49	10.4%	1.42	19.0%					10.37	13.9%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

Client: University of Toronto, St. George Campus  
 Site: Early Learning Centre 7 Glen Morris St.  
 Date: Jun.16/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):											18.05				18.05	
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		100.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)											0.14	0.8%			0.14	0.8%
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											0.09	0.5%			0.09	0.5%
Steel											0.00	0.0%			0.00	0.0%
Gable Top											0.00	0.0%			0.00	0.0%
Aseptic											0.15	0.8%			0.15	0.8%
Fine Papers											0.00	0.0%			0.00	0.0%
Newsprint											0.00	0.0%			0.00	0.0%
Boxboard											0.41	2.3%			0.41	2.3%
Other Paper Fibres											0.00	0.0%			0.00	0.0%
Corrugated Cardboard											0.00	0.0%			0.00	0.0%
Compostable Fibres											2.63	14.6%			2.63	14.6%
Organic Food Waste											0.00	0.0%			0.00	0.0%
Compostable Dishware											0.00	0.0%			0.00	0.0%
Other Fiber Drink Cups											0.00	0.0%			0.00	0.0%
Coffee Cups											0.00	0.0%			0.00	0.0%
Coffee Pods											0.00	0.0%			0.00	0.0%
LDPE Plastic Films											0.01	0.1%			0.01	0.1%
Styrofoam											0.00	0.0%			0.00	0.0%
Mixed 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%
Scrap Metals											0.00	0.0%			0.00	0.0%
Scrap Woods											0.00	0.0%			0.00	0.0%
Electronic Wastes											0.00	0.0%			0.00	0.0%
Bulbs & Ballasts											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%
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											0.09	0.5%			0.09	0.5%
Latex/Nitrile Gloves											0.00	0.0%			0.00	0.0%
Single Use Plastics											0.00	0.0%			0.00	0.0%
Other / Non recyclable											14.53	80.5%			14.53	80.5%
Total QAQC Check											18.05	100.0%			18.05	100.0%
Total Mixed Containers											0.38	2.1%			0.38	2.1%
Total Mixed Fibres											0.41	2.3%			0.41	2.3%
O.Reg.103/94 - Mandatory											0.09	0.5%			0.09	0.5%
Other Recyclables											3.43	19.0%			3.43	19.0%
Non-Recyclables											14.53	80.5%			14.53	80.5%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Co-Op Day Care 370 Huron St.  
**Date:** Jun.16/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):											6.05				6.05	
Total Percent of Sample (in %):	0.0%		0.0%		0.0%		0.0%		0.0%		100.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)											0.14	2.3%			0.14	2.3%
HDPE (#2)											0.00	0.0%			0.00	0.0%
PP (#5)											0.06	1.0%			0.06	1.0%
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											0.09	1.5%			0.09	1.5%
Fine Papers											1.23	20.3%			1.23	20.3%
Newsprint											0.00	0.0%			0.00	0.0%
Boxboard											0.75	12.4%			0.75	12.4%
Other Paper Fibres											0.49	8.1%			0.49	8.1%
Corrugated Cardboard											0.00	0.0%			0.00	0.0%
Compostable Fibres											2.27	37.5%			2.27	37.5%
Organic Food Waste											0.06	1.0%			0.06	1.0%
Compostable Dishware											0.00	0.0%			0.00	0.0%
Other Fiber Drink Cups											0.00	0.0%			0.00	0.0%
Coffee Cups											0.38	6.3%			0.38	6.3%
Coffee Pods											0.00	0.0%			0.00	0.0%
LDPE Plastic Films											0.07	1.2%			0.07	1.2%
Styrofoam											0.00	0.0%			0.00	0.0%
Mixed 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%
Scrap Metals											0.00	0.0%			0.00	0.0%
Scrap Woods											0.00	0.0%			0.00	0.0%
Electronic Wastes											0.00	0.0%			0.00	0.0%
Bulbs & Ballasts											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%
Textiles											0.14	2.3%			0.14	2.3%
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											0.10	1.7%			0.10	1.7%
Latex/Nitrile Gloves											0.00	0.0%			0.00	0.0%
Single Use Plastics											0.00	0.0%			0.00	0.0%
Other / Non recyclable											0.27	4.5%			0.27	4.5%
Total QAQC Check											6.05	100.0%			6.05	100.0%
Total Mixed Containers											0.29	4.8%			0.29	4.8%
Total Mixed Fibres											2.47	40.8%			2.47	40.8%
O.Reg.103/94 - Mandatory											1.23	20.3%			1.23	20.3%
Other Recyclables											4.55	75.2%			4.55	75.2%
Non-Recyclables											0.27	4.5%			0.27	4.5%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Massey College 4 Devenshire Pl.  
**Date:** Jun.17/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):													3.56		3.56	
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	%
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)													0.02	0.6%	0.02	0.6%
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													0.04	1.1%	0.04	1.1%
Fine Papers													0.00	0.0%	0.00	0.0%
Newsprint													0.00	0.0%	0.00	0.0%
Boxboard													0.08	2.2%	0.08	2.2%
Other Paper Fibres													0.16	4.5%	0.16	4.5%
Corrugated Cardboard													0.00	0.0%	0.00	0.0%
Compostable Fibres													1.13	31.7%	1.13	31.7%
Organic Food Waste													0.00	0.0%	0.00	0.0%
Compostable Dishware													0.00	0.0%	0.00	0.0%
Other Fiber Drink Cups													0.00	0.0%	0.00	0.0%
Coffee Cups													0.19	5.3%	0.19	5.3%
Coffee Pods													0.00	0.0%	0.00	0.0%
LDPE Plastic Films													0.03	0.8%	0.03	0.8%
Styrofoam													0.00	0.0%	0.00	0.0%
Mixed 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%
Scrap Metals													0.00	0.0%	0.00	0.0%
Scrap Woods													0.00	0.0%	0.00	0.0%
Electronic Wastes													0.00	0.0%	0.00	0.0%
Bulbs & Ballasts													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%
Textiles													1.70	47.8%	1.70	47.8%
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													0.06	1.7%	0.06	1.7%
Latex/Nitrile Gloves													0.00	0.0%	0.00	0.0%
Single Use Plastics													0.00	0.0%	0.00	0.0%
Other / Non recyclable													0.15	4.2%	0.15	4.2%
Total QAQC Check													3.56	100.0%	3.56	100.0%
Total Mixed Containers													0.06	1.7%	0.06	1.7%
Total Mixed Fibres													0.24	6.7%	0.24	6.7%
O.Reg.103/94 - Mandatory													0.00	0.0%	0.00	0.0%
Other Recyclables													3.41	95.8%	3.41	95.8%
Non-Recyclables													0.15	4.2%	0.15	4.2%

**General Comments and Observations:**



**Waste Audit Data Collection Sheet**

**Client:** University of Toronto, St. George Campus  
**Site:** Innis College Residence 111 St. George St.  
**Date:** Jun.17/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	1.03				12.62				0.73						14.38	
Total Percent of Sample (in %):	7.2%		0.0%		87.8%		0.0%		5.1%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.05	4.9%			0.10	0.8%			0.00	0.0%					0.15	1.0%
HDPE (#2)	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
PP (#5)	0.00	0.0%			0.15	1.2%			0.01	1.4%					0.16	1.1%
PS (#6)	0.00	0.0%			0.06	0.5%			0.00	0.0%					0.06	0.4%
Glass	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Aluminum	0.00	0.0%			0.28	2.2%			0.00	0.0%					0.28	1.9%
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%			0.03	0.2%			0.00	0.0%					0.03	0.2%
Fine Papers	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	0.15	14.6%			5.15	40.8%			0.02	2.7%					5.32	37.0%
Other Paper Fibres	0.00	0.0%			1.38	10.9%			0.01	1.4%					1.39	9.7%
Corrugated Cardboard	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Compostable Fibres	0.15	14.6%			1.13	9.0%			0.63	86.3%					1.91	13.3%
Organic Food Waste	0.20	19.4%			1.41	11.2%			0.03	4.1%					1.64	11.4%
Compostable Dishware	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Other Fiber Drink Cups	0.00	0.0%			0.29	2.3%			0.00	0.0%					0.29	2.0%
Coffee Cups	0.22	21.4%			0.00	0.0%			0.00	0.0%					0.22	1.5%
Coffee Pods	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
LDPE Plastic Films	0.01	1.0%			0.14	1.1%			0.01	1.4%					0.16	1.1%
Styrofoam	0.02	1.9%			0.03	0.2%			0.00	0.0%					0.05	0.3%
Mixed 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%
Scrap Metals	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Scrap Woods	0.04	3.9%			0.01	0.1%			0.00	0.0%					0.05	0.3%
Electronic Wastes	0.00	0.0%			0.00	0.0%			0.00	0.0%					0.00	0.0%
Bulbs & Ballasts	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%
Textiles	0.00	0.0%			0.42	3.3%			0.00	0.0%					0.42	2.9%
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%			0.13	1.0%			0.00	0.0%					0.13	0.9%
Latex/Nitrile 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%
Other / Non recyclable	0.19	18.4%			1.91	15.1%			0.02	2.7%					2.12	14.7%
Total QAQC Check	1.03	100.0%			12.62	100.0%			0.73	100.0%					14.38	100.0%
Total Mixed Containers	0.05	4.9%			0.62	4.9%			0.01	1.4%					0.68	4.7%
Total Mixed Fibres	0.15	14.6%			6.53	51.7%			0.03	4.1%					6.71	46.7%
O.Reg.103/94 - Mandatory	0.00	0.0%			0.28	2.2%			0.00	0.0%					0.28	1.9%
Other Recyclables	0.84	81.6%			10.43	82.6%			0.71	97.3%					11.98	83.3%
Non-Recyclables	0.19	18.4%			1.91	15.1%			0.02	2.7%					2.12	14.7%

**General Comments and Observations:**

**Waste Audit Data Collection Sheet**

Client: University of Toronto, St. George Campus  
 Site: Rotman Commerce 125 St. George St  
 Date: Jun.17/22

Area of Collection:	Offices		Labs		Public Areas		Cafeteria		Washrooms		Living Area		Unlabeled		Total	
Colour Code	Blue		Yellow		Black		Green		Red		White		Unlabeled			
Total Weight of Sample (in kg):	9.15				13.15		3.03		4.12				0.0%		29.45	
Total Percent of Sample (in %):	31.1%		0.0%		44.7%		10.3%		14.0%		0.0%		0.0%		100.0%	
Composition of Garbage:	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%	kg	%
PET (#1)	0.10	1.1%			0.16	1.2%	0.16	5.3%	0.03	0.7%					0.45	1.5%
HDPE (#2)	0.00	0.0%			0.01	0.1%	0.00	0.0%	0.00	0.0%					0.01	0.0%
PP (#5)	0.00	0.0%			0.17	1.3%	0.09	3.0%	0.00	0.0%					0.26	0.9%
PS (#6)	0.02	0.2%			0.12	0.9%	0.05	1.7%	0.00	0.0%					0.19	0.6%
Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Aluminum	0.03	0.3%			0.16	1.2%	0.05	1.7%	0.00	0.0%					0.24	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%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Aseptic	0.00	0.0%			0.03	0.2%	0.00	0.0%	0.00	0.0%					0.03	0.1%
Fine Papers	2.47	27.0%			3.34	25.4%	0.30	9.9%	0.22	5.3%					6.33	21.5%
Newsprint	0.00	0.0%			0.02	0.2%	0.00	0.0%	0.00	0.0%					0.02	0.1%
Boxboard	0.44	4.8%			1.62	12.3%	0.00	0.0%	0.10	2.4%					2.16	7.3%
Other Paper Fibres	0.19	2.1%			0.26	2.0%	0.62	20.5%	0.00	0.0%					1.07	3.6%
Corrugated Cardboard	0.06	0.7%			0.15	1.1%	0.00	0.0%	0.00	0.0%					0.21	0.7%
Compostable Fibres	2.63	28.7%			2.05	15.6%	0.49	16.2%	3.72	90.3%					8.89	30.2%
Organic Food Waste	0.75	8.2%			1.55	11.8%	0.07	2.3%	0.00	0.0%					2.37	8.0%
Compostable Dishware	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Other Fiber Drink Cups	0.02	0.2%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.02	0.1%
Coffee Cups	0.28	3.1%			0.84	6.4%	0.38	12.5%	0.05	1.2%					1.55	5.3%
Coffee Pods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
LDPE Plastic Films	0.05	0.5%			0.07	0.5%	0.03	1.0%	0.00	0.0%					0.15	0.5%
Styrofoam	0.00	0.0%			0.06	0.5%	0.03	1.0%	0.00	0.0%					0.09	0.3%
Mixed 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 Glass	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Metals	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Scrap Woods	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Electronic Wastes	0.00	0.0%			0.00	0.0%	0.00	0.0%	0.00	0.0%					0.00	0.0%
Bulbs & Ballasts	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%
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	0.05	0.5%			0.05	0.4%	0.00	0.0%	0.00	0.0%					0.10	0.3%
Latex/Nitrile 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%
Other / Non recyclable	2.06	22.5%			2.49	18.9%	0.76	25.1%	0.00	0.0%					5.31	18.0%
Total QAQC Check	9.15	100.0%			13.15	100.0%	3.03	100.0%	4.12	100.0%					29.45	100.0%
Total Mixed Containers	0.15	1.6%			0.65	4.9%	0.35	11.6%	0.03	0.7%					1.18	4.0%
Total Mixed Fibres	3.10	33.9%			5.24	39.8%	0.92	30.4%	0.32	7.8%					9.58	32.5%
O.Reg.103/94 - Mandatory	2.56	28.0%			3.67	27.9%	0.35	11.6%	0.22	5.3%					6.80	23.1%
Other Recyclables	4.53	49.5%			6.99	53.2%	1.92	63.4%	3.90	94.7%					17.34	58.9%
Non-Recyclables	2.06	22.5%			2.49	18.9%	0.76	25.1%	0.00	0.0%					5.31	18.0%

**General Comments and Observations:**

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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> University of Toronto, St. George Campus			
<b>Name of Contact Person:</b> Nabil Yacoub	<b>Telephone #:</b> 416-946-5711	<b>Email address:</b> <a href="mailto:n.yacoub@utoronto.ca">n.yacoub@utoronto.ca</a>	
<b>Street Address(es) of Entity(ies):</b> 255 McCaul Street, 4th Level			
<b>Municipality:</b> Toronto, Ontario, M5T 1W7			
<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	X
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>The University of Toronto is a large multi-building, multi-facility community that has approximately 60 thousand students, staff and faculty occupying several major city blocks with over 140 buildings that generate waste and recycling materials. U of T is required to conduct an annual waste audit since it satisfies Part X of Ontario Regulation (“O. Reg.”) 102/94 – Waste Audits and Waste Reduction Work Plans (“O. Reg.102/94”) which requires educational institutions to conduct waste audits and prepare waste reduction plans on an annual basis if the location or campus has more than 350 full or part-time persons enrolled during the calendar year.</p>
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### 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?
Organics & Food Waste	<i>Generated in cafeterias/food service and residence locations on campus, or brought in by staff/students. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Yard Waste	<i>Generated by grounds maintenance operations. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Scrap Wood	<i>Generated through woodworking operations. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Scrap Metal	<i>Generated through construction projects/maintenance. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Animal Bedding	<i>Generated through animal research facilities. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Polystyrene	<i>Generated in cafeterias/food service locations on campus, or brought in by staff/students. Also found in foam packaging. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Mixed Containers	<i>Generated in cafeterias/food service locations on campus, or brought in by staff/students. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Laboratory Glass and Plastic	<i>Generated in laboratory settings. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Amber Bottles	<i>Generated in laboratory settings. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Mixed Plastics	<i>Generated in cafeterias/food service locations on campus, or brought in by staff/students. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Coffee Cups	<i>Generated in cafeterias/food service locations on campus, or brought in by staff/students. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Soil & Plants	<i>Generated by grounds maintenance operations. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Light Bulbs	<i>Generated in all indoor and lighted outdoor areas. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
E-waste	<i>Generated in classroom, residence, and office areas. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Printer Cartridges	<i>Generated in residence and office areas. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Mixed Papers	<i>Generated in classroom, residence, and office areas. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Paper Towels	<i>Generated in washrooms. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Cardboard	<i>Generated in residence and office areas, and through deliveries. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Shredded Paper	<i>Generated in office areas. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>



Pallets	<i>Generated through deliveries. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Asphalt	<i>Generated through construction projects. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Stone, pavers & screening	<i>Generated through construction projects. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Concrete	<i>Generated through construction projects. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Clean fill	<i>Generated through construction or grounds/maintenance projects. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Catch basin material	<i>Generated through water collection (storm drain/sewer). Debris is caught in the catch basin to prevent it from entering the sewer/water system. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Swap Shop - Out	<i>"Swap Shop" is a place for staff/students to drop off/take reusable items. Generated throughout campus. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Swap Shop – In	<i>"Swap Shop" is a place for staff/students to drop off/take reusable items. Generated throughout campus. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Campus Furniture	<i>Generated in common areas/residences/offices. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Batteries	<i>Generated in classrooms, offices, and residence areas. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Aero. Misc. pick ups	<i>Generated at the Aerospace Library. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</i>
Waste	<i>Generated in cafeterias/food service areas, offices, residences, common areas, etc. U of T's Environmental Protection Policy* governs the generation and handling of all solid waste.</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).

Category	Waste to be Disposed	Reused or Recycled Waste
Organics & Food Waste	<i>May be placed into a trash bin and go to landfill.</i>	<i>Composting program currently in place.</i>
Yard Waste	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Scrap Wood	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Scrap Metal	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Animal Bedding	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Polystyrene	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Mixed Containers	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Laboratory Glass and Plastic	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Amber Bottles	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Mixed Plastics	<i>May be placed into a trash bin and go to landfill.</i>	<i>Organics compost program currently in place.</i>
Coffee Cups	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Soil & Plants	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Light Bulbs	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
E-waste	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Printer Cartridges	<i>May be placed into a trash bin and go to landfill.</i>	<i>Taken away by contractors.</i>
Mixed Papers	<i>May be placed into a trash bin and go to landfill.</i>	<i>Reused where possible or recycled</i>
Paper Towels	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Cardboard	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Shredded Paper	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Pallets	<i>May be placed into a trash bin and go to landfill.</i>	<i>Reuse program currently in place.</i>

Asphalt	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Stone, pavers & screening	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Concrete	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Clean fill	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Catch basin material	<i>Catch basin material is well-controlled, as only the vendor can remove it from the basins.</i>	<i>Catch basin material is considered reused. It is collected, dried out, and used as landfill cover. This prevents fresh soil from being dug to use as landfill cover.</i>
Swap Shop - Out	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Swap Shop – In	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Campus Furniture	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Batteries	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Aero. Misc. pick ups	<i>May be placed into a trash bin and go to landfill.</i>	<i>Recycling program currently in place.</i>
Waste	<i>All non-recyclable waste placed into trash bins will go to landfill.</i>	<i>Non-recyclable waste will not be recycled. If non-recyclable waste is placed into recycling bins, it will contaminate the load and must be removed at processing facility.</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" Base Year	"B" Current Year	"C" * Change (B - A)	"A" Base Year	"B" Current Year	"C" * Change (B - A)	"A" Base Year	"B" Current Year	"C" * Change (B - A)	"A" Base Year	"B" Current Year	"C" * Change (B - A)
	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes
PET (#1 Plastic)	25.43	55.26	29.83	0.00	0.00	0.00	12.62	41.69	29.07	12.80	13.56	0.76
HDPE (#2 Plastic)	0.58	1.27	0.68	0.00	0.00	0.00	0.29	0.96	0.67	0.29	0.31	0.02
PP (#5 Plastic)	12.40	26.95	14.55	0.00	0.00	0.00	6.16	20.34	14.18	6.25	6.62	0.37
PS (#6 Plastic)	0.00	9.75	9.75	0.00	0.00	0.00	0.00	7.36	7.36	0.00	2.39	2.39
Glass	14.23	44.39	30.16	0.00	13.47	13.47	7.06	23.33	16.27	7.16	7.59	0.42
Aluminum	22.29	48.44	26.15	0.00	0.00	0.00	11.07	36.55	25.48	11.22	11.89	0.66
Steel	0.36	0.79	0.43	0.00	0.00	0.00	0.18	0.60	0.42	0.18	0.19	0.01
Gable Top	4.56	9.91	5.35	0.00	0.00	0.00	2.26	7.48	5.21	2.30	2.43	0.14
Aseptic	6.13	13.32	7.19	0.00	0.00	0.00	3.04	10.05	7.01	3.09	3.27	0.18
Amber Bottles	0.00	3.60	3.60	0.00	0.00	0.00	0.00	3.60	3.60	0.00	0.00	0.00
Lab Glass & Plastic	0.00	30.00	30.00	0.00	0.00	0.00	0.00	30.00	30.00	0.00	0.00	0.00
Latex/Nitrile Gloves	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Papers	358.54	146.10	-212.44	0.00	0.00	0.00	319.76	48.38	-271.38	38.77	97.71	58.94
Newsprint	65.47	26.68	-38.79	0.00	0.00	0.00	58.39	8.83	-49.55	7.08	17.84	10.76
Boxboard	375.60	153.05	-222.55	0.00	0.00	0.00	334.98	50.69	-284.30	40.62	102.36	61.75
Other Fibres	69.68	28.39	-41.29	0.00	0.00	0.00	62.14	9.40	-52.74	7.53	18.99	11.46
Confidential Papers	0.00	60.00	60.00	0.00	0.00	0.00	0.00	60.00	60.00	0.00	0.00	0.00
Corrugated Cardboard	305.27	167.73	-137.54	0.00	0.00	0.00	295.53	153.23	-142.30	9.74	14.50	4.76
Paper Towels	352.79	235.49	-117.30	0.00	0.00	0.00	119.43	36.00	-83.43	233.36	199.49	-33.87
Coffee Cups	0.00	40.96	40.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.96	40.96
LDPE (#4 Plastic) Films	0.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00
Styrofoam (#6 Plastic)	41.92	6.00	-35.92	0.00	0.00	0.00	4.08	3.00	-1.08	37.84	3.00	-34.84
Mixed Plastics	0.00	2.45	2.45	0.00	0.00	0.00	0.00	1.50	1.50	0.00	0.95	0.95
Scrap Metals	101.62	38.70	-62.92	0.00	0.00	0.00	97.35	38.66	-58.69	4.27	0.04	-4.23
Scrap Woods	140.41	160.28	19.87	0.00	0.00	0.00	139.46	159.99	20.53	0.95	0.29	-0.66
Ewaste/electronics	83.51	13.23	-70.28	0.00	0.00	0.00	66.60	10.21	-56.39	16.91	3.02	-13.89
Batteries	0.00	0.60	0.60	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00
Fluorescent Bulbs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Printer Toners	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt	0.00	12.00	12.00	0.00	0.00	0.00	0.00	12.00	12.00	0.00	0.00	0.00
Stone, Pavers & Screening	0.00	148.00	148.00	0.00	0.00	0.00	0.00	148.00	148.00	0.00	0.00	0.00
Soil from Construction Projects	0.00	30.00	30.00	0.00	0.00	0.00	0.00	30.00	30.00	0.00	0.00	0.00
Concrete from Construction	371.04	12.00	-359.04	0.00	0.00	0.00	371.04	12.00	-359.04	0.00	0.00	0.00
Clean Fill	0.00	12.00	12.00	0.00	0.00	0.00	0.00	12.00	12.00	0.00	0.00	0.00
Aero. Misc. Pick Ups	0.00	3.60	3.60	0.00	0.00	0.00	0.00	3.60	3.60	0.00	0.00	0.00
Misc: tires, mattresses, rocks etc.	0.00	0.61	0.61	0.00	0.00	0.00	0.00	0.61	0.61	0.00	0.00	0.00
Recycling from Compactor Loads	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Wastes	0.00	83.96	83.96	0.00	0.00	0.00	0.00	83.96	83.96	0.00	0.00	0.00
Animal Bedding	0.00	148.74	148.74	0.00	0.00	0.00	0.00	148.74	148.74	0.00	0.00	0.00
Soil & Plant P/U	0.00	60.00	60.00	0.00	0.00	0.00	0.00	60.00	60.00	0.00	0.00	0.00
Plant & Tree Use, Composting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grass & Wood Mulch	0.00	48.00	48.00	0.00	0.00	0.00	0.00	48.00	48.00	0.00	0.00	0.00
Catch Basin Material	0.00	12.00	12.00	0.00	0.00	0.00	0.00	12.00	12.00	0.00	0.00	0.00
Organics	1511.73	316.77	-1194.96	0.00	0.00	0.00	1084.44	216.00	-868.44	427.29	100.77	-326.52
89 Chestnut Organics	0.00	240.00	240.00	0.00	0.00	0.00	0.00	240.00	240.00	0.00	0.00	0.00
Swap Shop - Out, Including Pad	0.00	15.87	15.87	0.00	15.87	15.87	0.00	0.00	0.00	0.00	0.00	0.00
In-Swap	0.00	12.00	12.00	0.00	12.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00
Campus Furniture Projects	197.70	0.00	-197.70	197.70	0.00	-197.70	0.00	0.00	0.00	0.00	0.00	0.00
Wood Pallets	0.00	12.00	12.00	0.00	12.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles	0.00	6.67	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67	6.67
Reduction via Various Programs	0.00	60.00	60.00	0.00	60.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00
Other/Nonrecyclable	1191.62	131.26	-1060.36	0.00	0.00	0.00	432.61	0.00	-432.61	759.01	131.26	-627.75
<b>Total</b>	<b>5252.88</b>	<b>2693.82</b>	<b>-2559.06</b>	<b>197.70</b>	<b>113.34</b>	<b>-84.36</b>	<b>3428.51</b>	<b>1789.37</b>	<b>-1639.14</b>	<b>1626.67</b>	<b>791.11</b>	<b>-835.56</b>
<b>Percent Change (C ÷ A x 100)</b>			<b>-48.7%</b>			<b>-42.7%</b>			<b>-47.8%</b>			<b>-51.4%</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.

**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.

*The University of Toronto's current purchasing policy indicates that goods and services must be acquired in a manner that ensures that the University meets its statutory, legal and ethical obligations. The purchase/use of environmentally-friendly/sustainable materials/products is implied in the "ethical" obligations of the University's purchasing policy. The Purchasing Department is currently pursuing the publication of a specific environmental purchasing policy, though it has yet to be finalized.*

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.

*Once the environmental purchasing policy is finalized, there will be a significant positive shift in the purchasing/procurement of products manufactured with recycled/reused materials. While every effort is currently being made, the purchase of environmentally-friendly products will increase once there is an overriding policy dictating the need to do so. The University of Toronto is strongly committed to reducing their environmental impact as much as possible.*

\* 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> University of Toronto, St. George Campus			
<b>Name of Contact Person:</b> Nabil Yacoub		<b>Telephone #:</b> 416-946-5711	<b>Email address:</b> <a href="mailto:n.yacoub@utoronto.ca">n.yacoub@utoronto.ca</a>
<b>Street Address(es) of Entity(ies):</b> 255 McCaul Street, 4th Level			
<b>Municipality:</b> Toronto, Ontario, M5T 1W7			
<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	X
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**

Provide a brief overview of the entity(ties):
<p>The University of Toronto is a large multi-building, multi-facility community that has approximately 60 thousand students, staff and faculty occupying several major city blocks with over 140 buildings that generate waste and recycling materials. U of T is required to conduct an annual waste audit since it satisfies Part X of Ontario Regulation ("O. Reg.") 102/94 – Waste Audits and Waste Reduction Work Plans ("O. Reg.102/94") which requires educational institutions to conduct waste audits and prepare waste reduction plans on an annual basis if the location or campus has more than 350 full or part-time persons enrolled during the calendar year.</p>

### III. PLANS TO REDUCE, REUSE AND RECYCLE WASTE

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.

Waste Category (as stated in Part V of your “Report of a Waste Audit”)	Source Separation and 3Rs Program
Organics & Food Waste	<i>“Organics 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Yard Waste	<i>“Yard Waste 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Grounds staff will be reminded of existing recycling programs.
Scrap Wood	<i>“Scrap Wood 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Scrap Metal	<i>“Scrap Metal 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Animal Bedding	<i>“Animal Bedding 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Polystyrene	<i>“Polystyrene 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Mixed Containers	<i>“Mixed Containers 3Rs Program”</i> <u>Reduce:</u> Staff/students will be encouraged to use a reusable water bottle instead of purchasing a disposable plastic one. <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Laboratory Glass and Plastic	<i>“Laboratory Glass and Plastic 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Amber Bottles	<i>“Amber Bottles 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Mixed Plastics	<i>“Mixed Plastics 3Rs Program”</i> <u>Reduce:</u> Staff/students will be encouraged to use a reusable water bottle instead of purchasing a disposable plastic one. <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Coffee Cups	<i>“Coffee Cups 3Rs Program”</i> <u>Reduce:</u> Staff/students will be encouraged to use a travel mug instead of a paper cup. <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Soil & Plants	<i>“Soil &amp; Plants 3Rs Program”</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Grounds staff will be reminded of existing recycling programs.
Light Bulbs	<i>“Light Bulb 3Rs Program”</i> <u>Reduce:</u> None

	<i>Reuse: None</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>
E-waste	<i>"Ewaste 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>
Printer Cartridges	<i>"Ewaste 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>
Mixed Papers	<i>"Mixed Paper 3Rs Program"</i> <i>Reduce: Staff/Students will be encouraged to print on both sides of paper to reduce the number of pages used.</i> <i>Reuse: None</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>
Paper Towels	<i>"Paper Towel 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>
Cardboard	<i>"Cardboard 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>
Shredded Paper	<i>"Shredded Paper 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>
Pallets	<i>"Pallets 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: Receiving staff/students will be reminded of the existing reuse program.</i> <i>Recycle: None.</i>
Asphalt	<i>"Asphalt 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff and contractors will be reminded of existing recycling programs.</i>
Stone, pavers & screening	<i>"Stone, Pavers &amp; Screening 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: Staff and contractors will be reminded of existing recycling programs.</i> <i>Recycle: None</i>
Concrete	<i>"Concrete 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff and contractors will be reminded of existing recycling programs.</i>
Clean fill	<i>"Clean Fill 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: None</i> <i>Recycle: Staff and contractors will be reminded of existing recycling programs.</i>
Swap Shop - Out	<i>"Swap Shop 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: Staff/students will be reminded of existing recycling programs.</i> <i>Recycle: None</i>
Swap Shop – In	<i>"Swap Shop 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: Staff/students will be reminded of existing recycling programs.</i> <i>Recycle: None</i>
Campus Furniture	<i>"Campus Furniture 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: Staff/students will be reminded of existing recycling programs.</i> <i>Recycle: None</i>
Batteries	<i>"Batteries 3Rs Program"</i> <i>Reduce: None</i> <i>Reuse: The use of rechargeable batteries will be encouraged.</i> <i>Recycle: Staff/students will be reminded of existing recycling programs.</i>

Miscellaneous Recycling	<i>"Misc. 3Rs Program"</i> <u>Reduce:</u> None <u>Reuse:</u> None <u>Recycle:</u> Staff/students will be reminded of existing recycling programs.
Waste	All non-recyclable waste is sent to landfill, including catch basin material.

#### IV. RESPONSIBILITY FOR IMPLEMENTING THE WASTE REDUCTION WORK PLAN

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.		
Name of Person	Responsibility	Telephone #
Nabil Yacoub	All UofT 3Rs Programs	416-946-5711
	(or will direct question/comment to	
	appropriate person)	

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## V. TIMETABLE FOR IMPLEMENTING WASTE REDUCTION WORK PLAN

Provide a timetable indicating when each Source Separation and 3Rs program of the Waste Reduction Work Plan will be implemented.	
Source Separation and 3Rs Program	Schedule for Completion
Organics & Food Waste	<i>Organics 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Yard Waste	<i>Yard Wastes 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Scrap Wood	<i>Scrap Wood 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Scrap Metal	<i>Scrap Metal 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Animal Bedding	<i>Animal Bedding 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Polystyrene	<i>Polystyrene 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Mixed Containers	<i>Mixed Containers 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Laboratory Glass and Plastic	<i>Laboratory Glass and Plastic 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Amber Bottles	<i>Amber Bottles 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Mixed Plastics	<i>Mixed Plastics 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Coffee Cups	<i>Coffee Cups 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Soil & Plants	<i>Soil &amp; Plants 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Light Bulbs	<i>Light Bulbs 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
E-waste	<i>E-wastes 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Printer Cartridges	<i>Printer Cartridges 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Mixed Papers	<i>Mixed Papers 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Paper Towels	<i>Paper Towels 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Cardboard	<i>Cardboard 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Shredded Paper	<i>Shredded Paper 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Pallets	<i>Pallets 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Asphalt	<i>Asphalt 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Stone, pavers & screening	<i>Stone, Pavers &amp; Screening 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Concrete	<i>Concrete 3Rs program currently implemented. Promotion/enforcement may be</i>

	<i>beneficial to increase capture rate.</i>
Clean fill	<i>Clean Fill 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Swap Shop - Out	<i>Swap-Shop 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Swap Shop – In	<i>Swap-Shop 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Campus Furniture	<i>Campus Furniture 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Batteries	<i>Batteries 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</i>
Aero. Misc. pick ups	<i>Aero. Misc. pick-ups 3Rs program currently implemented. Promotion/enforcement may be beneficial to increase capture rate.</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:
<p>Increase awareness of recycling programs at the facility through staff/student/cleaner education programs. Such programs can include placement of posters in strategic locations around the building, and posting information regarding recycling, reuse, and reduction rates throughout the facility. Provide easy access to contact information for help or questions regarding the recycling programs. The recycling program should have as much consistency as possible throughout the entire campus.</p>



## 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	
Organics & Food Waste	556.77	Organics 3Rs Program			456.00	82%
Yard Waste	83.96	Yard Waste 3Rs Program			83.96	100%
Scrap Wood	160.28	Scrap Wood 3Rs Program			159.99	100%
Polystyrene	6.00	Polystyrene 3Rs Program			3.00	50%
Scrap Metal	38.70	Scrap Metal 3Rs Program			38.66	100%
Animal Bedding	148.74	Animal Bedding 3Rs Program			148.74	100%
Mixed Containers/LCBO/Beer Store Returnables	210.07	Mixed Containers 3Rs Program & LCBO/Beer Store 3Rs Program		13.47	148.35	77%
Laboratory Glass and Plastic	30.00	Laboratory Glass and Plastic 3Rs Program			30.00	100%
Amber Bottles	3.60	Amber Bottles 3Rs Program			3.60	100%
Coffee Cups	40.96	Coffee Cups 3Rs Program			0.00	0%
Soil & Plants	60.00	Soil & Plants 3Rs Program			60.00	100%
Light Bulbs	0.00	Light Bulb 3Rs Program			0.00	#DIV/0!
Ewaste and Printer Cartridges	13.23	Ewaste 3Rs Program			10.21	77%
Mixed Papers (including shredded)	414.22	Mixed Paper & Shredded Paper 3Rs Programs			177.31	43%
Paper Towels	235.49	Paper Towel 3Rs Program			36.00	15%
Cardboard	167.73	Cardboard 3Rs Program			153.23	91%
Pallets	12.00	Pallets 3Rs Program		12.00		100%
Asphalt	12.00	Asphalt 3Rs Program			12.00	100%
Stone, pavers & screening	148.00	Stone, pavers & Screening 3Rs Program			148.00	100%
Concrete	12.00	Concrete 3Rs Program			12.00	100%
Clean fill	12.00	Clean Fill 3Rs Program			12.00	100%
Swap Shop - Out	15.87	Swap-Shop 3Rs Program		15.87		100%
Swap Shop – In	12.00	Swap-Shop 3Rs Program		12.00		100%
Campus Furniture	0.00	Campus Furniture 3Rs Program		0.00		100%
Batteries	0.60	Batteries 3Rs Program			0.60	100%
Miscellaneous 3R Programs	155.71	Miscellaneous 3Rs Program	60.00		95.71	100%

\* 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.**

**Signature of authorized official:**

**Title:**

**Date:**



**SDK Environmental Consulting & Services**

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