

Appendix D: Waste Reduction Work Plan39

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The school facility is considered to be applicable to O. Reg. 103/94 Educational Institutions.

Table 1: List of schools involved in the 2023 October Waste Audit.

School Name	Type	Address	Audit Date
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1.3 Scope of Work

Based on information provided by GECDSB, Eastview Horizon Public School produced approximately 8,537.94 kg of garbage, and 9,170.38 kg

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As noted above, a review of Eastview Horizon Public areas within campus buildings:

- Classrooms
- Hallways
- Staffroom
- Offices
- Washrooms

It was discovered that classrooms were the most significant generator of waste in the facility, which accounted for approximately 62.34% of the overall waste sample. Classrooms were also the largest generator of Garbage, Blue Box and Red Box materials in the school, with approximately 26.05%, 18.83% and 17.45%, respectively, of the total audit waste sample.

4.2 Garbage Composition

The total weight of garbage collected and sorted for the audit was 44.01 kg. Figure 3 summarizes the overall combined garbage composition determined from the waste audit.

Figure 3: Overall Garbage Composition

Organic waste (i.e., food waste) was the largest contributor to the Garbage stream, with approximately 35.24% (i)6(t9.4671 0

Mixed containers that can be recycled in the recycling stream. It was found the largest in the hallways with 13.41% of the total hallway sample, and on average, 9.28% in the garbage stream per functional area. In addition, the mixed papers that can be diverted into the Red Box stream accounted for 18.22% of the overall Garbage stream. It was found significantly large in most functional areas, including hallways, staffrooms, and offices, with an average of 22.78% in the garbage stream per functional area. The highest

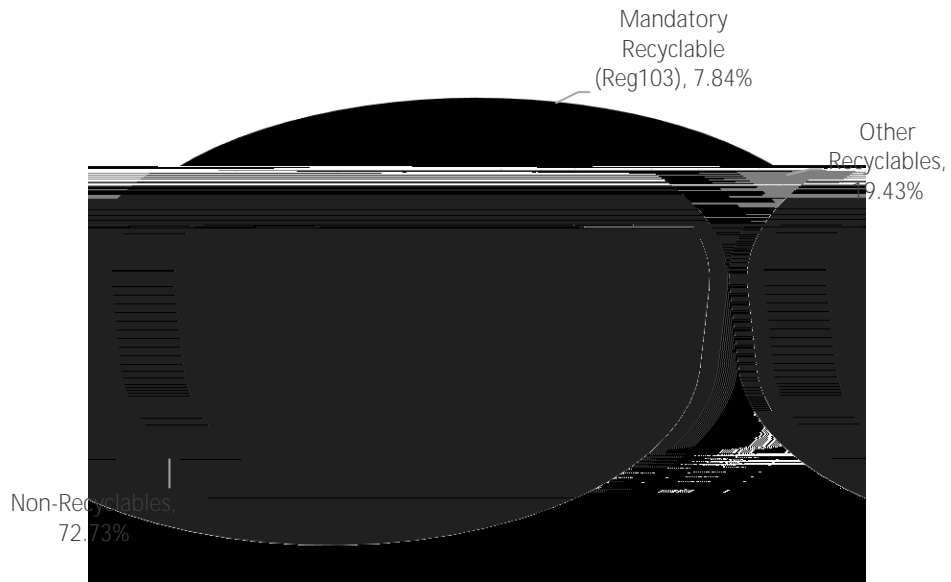


Figure 5: Percentage of Recyclables in the Garbage Stream

The data suggests that Eastview Horizon Public

7.84%

of boxboard, aseptic containers and craft paper
 the overall garbage sample.

9.43% of the sample and consisted mainly

72.73% of

4.3 Blue Box Recycling

The total weight of blue box recycling collected and sorted for the audit was 20.11 kg. Figure 6 summarizes the overall combined blue box recycling composition determined from the waste audit.

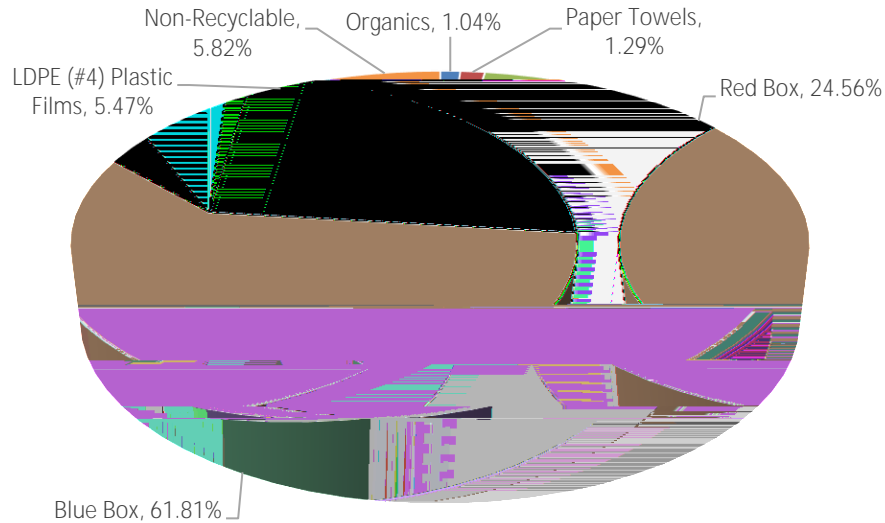


Figure 6: Overall Blue Box Recycling Composition

Summary tables, including composition, weights, and percentages, are found in Appendix C. The Blue Box recycling sample contained 61.81% of blue box materials, 24.56% of red box materials, and 5.82% of non-recyclable waste. The contamination rate of this waste stream was found to be 38.19%. The contaminants found were non-recyclable waste, organics, red box recyclables, LDPE #4 plastic films, and paper towels.

The Blue Box composition by functional area is illustrated in Figure 7. Based on the composition per functional area, the largest contamination can be found in the classrooms with approximately 28.74% of red box recyclables, 1.51% of compostable fibres, and 10.94% of non-recyclable waste in the total classroom sample of blue box recycling. Each functional area had an average of 69.13% of blue box materials and a contamination of 30.87% in the blue box stream.

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Figure 10: 2023 Waste Audit Summary

5.2

72.73% of the Garbage stream was determined to be acceptable materials, including organic waste (35.24%), paper towels (23.88%), and non-recyclable waste (13.61%). Divertible materials such as blue box and red box recyclables were also present to be 9.04% and 18.22%, respectively.

the facility, which consisted mainly of
9.43 - 72.73% of the overall Garbage sample.

The Blue Box recycling was composed primarily of accepted mixed containers materials, which represented 61.81% of the whole stream. The contamination rate was determined to be 38.19%, where the remaining sample contained 24.56% of red box recyclables, 1.04% of organic waste, 1.29% of compostable fibres, and 11.29% of non-recyclable waste.

The Red Box recycling was composed primarily of accepted mixed paper materials, which represented 88.62% of the whole stream. The contamination rate was determined to be 11.38%, where the remaining sample contained 2.50% of blue box recyclables, 0.48% of organic waste, 6.66% of paper towels, and 1.73% of non-recyclable waste.

8 Recommendations

Based on the conclusions, the following recommendations are presented below to assist Eastview Horizon Public

- Create a compost program for a school or community garden. A compost program can be a viable outdoor learning experience for students. If there is no opportunity to compost the food waste on school grounds, the organic waste could be collected in clearly defined waste bins throughout the school. These waste bins could be dedicated for food donations or compost, and placed in every hallway, classrooms, and common areas in the school. This also includes rates from landfills.

Providing clear signage with pictures can help staff and students to identify opportunities for proper disposal at the source. The signage should be continually updated in all of the garbage and recycling bins to assist in sorting wastes easily and correctly. Signs are a very effective method of increasing participation, reducing contamination, and increasing the capture rate. A copy of the Essex-Windsor

Updated receptacles are required throughout the school that clearly segregate the different waste streams. These receptacles should be sized appropriately according to use and color-coordinated to identify the type of waste (i.e., black for garbage, blue for mixed containers, red for mixed papers). It is also recommended to keep every type of waste bin attached or close to each other all over the school and remove all of the solitary garbage bins to increase the capture rates of the divertible materials.

It is recommended to establish a committee (i.e., student environmental club) that oversees waste reduction and sustainability within the school and to promote a culture of waste diversion. Examples of activities include regular electronic goals, and concerns; placement of informative posters in strategic locations around the school; a suggestion box to address concerns and suggestions on developing/changing diversion programs; and promoting the use of reusable or recyclable materials (i.e., reusable water bottles, scrap paper collection).

It is important for GECDSB and Eastview Horizon Public School staff to track year-over-year changes in waste diversion and capture rates, and communicate progress to the staff and students to encourage further participation/engagement.

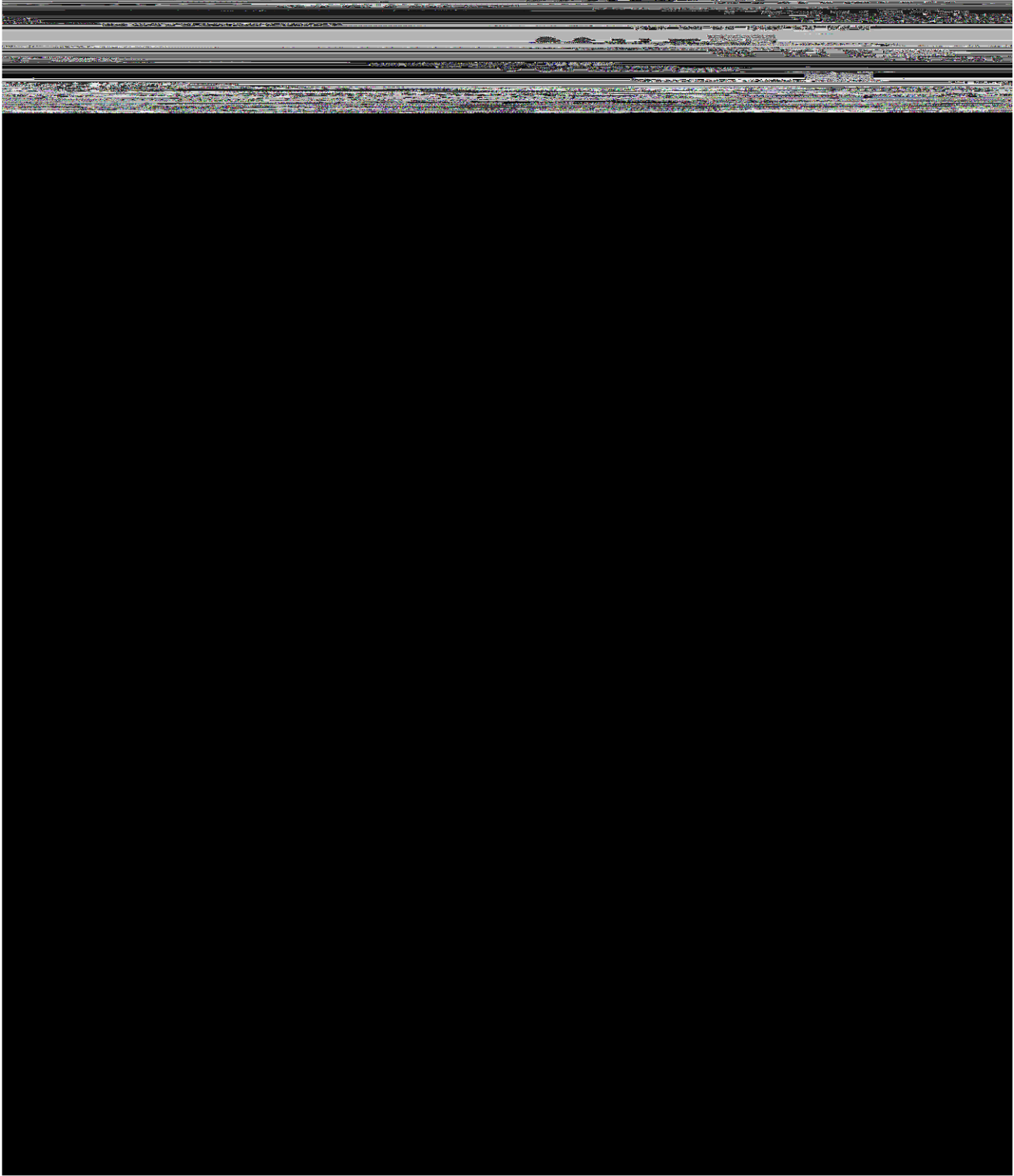
common areas throughout the school. Continuously monitoring and reporting the year-over-year changes for this school annually would act as a basis for policy decisions regarding solid waste management for future projecti

(3) This section does not apply with respect to obligations of a builder under Part IV or a demolisher under Part V. O.

Environmental Protection Act

ONTARIO REGULATION 103/94

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Appendix B: List of Categories

Material Category	Material Subcategory	Description
<p>Mixed Containers (Blue Box)</p>	<p>#1 Polyethylene Terephthalate (PET)</p>	<p>All PET #1 plastics. Includes clear or coloured thermoform packaging, beverage bottles, non-beverage bottles used for food items and non-food items such as dish soap, shampoo, mouthwash, window cleaner, floor cleaner, etc. Does not include Black Plastics.</p>
	<p>#2 High-Density</p>	

Operational Waste	Scrap Wood	<p>Non-treated wood materials.</p> <p>Includes skids/pallets, wooden furniture, etc. Does not include branches, brush, or wood chips.</p>
	Other Metals	<p>Scrap metals, copper pipes, hardware, etc.</p> <p>Includes multi-material items that are mainly metal.</p>
	Electronic Waste	<p>All Waste from Electrical and Electronic Equipment (WEEE). Anything that is battery operated and/or can be plugged in to an electrical outlet.</p> <p>Includes computer / IT equipment, telecom equipment, TV & audio equipment, small kitchen appliances, wires/chargers/adapters, cocks, gadgets, etc.</p>
	Batteries	<p>All single-use and rechargeable batteries.</p> <p>Includes Alkaline-Manganese, Lithium, Silver Oxide, Zinc Air, Zinc-Carbon, etc.</p>
Non-Recyclable Waste	Cold Beverage and Food Wax-Lined Paper Cups	<p>All cups and containers used for cold beverages and food with a plastic or wax lining.</p> <p>Multiple layered, primarily fiber, cold food, and beverage containers, common in the fast food industry. Includes paper-based cups with a plastic lining, water cooler cups, freezer boxes, etc.</p>
	#4 Low-Density Polyethylene (LDPE) Films	<p>All #4 LDPE plastic films.</p> <p>Includes soft "stretchy" PE plastic used for items such as produce bags, overwrap for water bottles, garbage bags, kitchen liners, blue or clear recycling bags, sandwich and freezer bags, etc. Does not include Black Plastics.</p>
	Expanded Polystyrene	<p>Includes white, coloured, and black polystyrene foam packaging.</p> <p>Includes food trays, clamshells, etc. Also includes foam packaging "peanuts" and foam blocks used to protect boxed products.</p>
	Plastic Strapping	<p>All Plastic Strapping material.</p> <p>This material is used to bundle products together for retail sales and can come in a variety of colours and</p>

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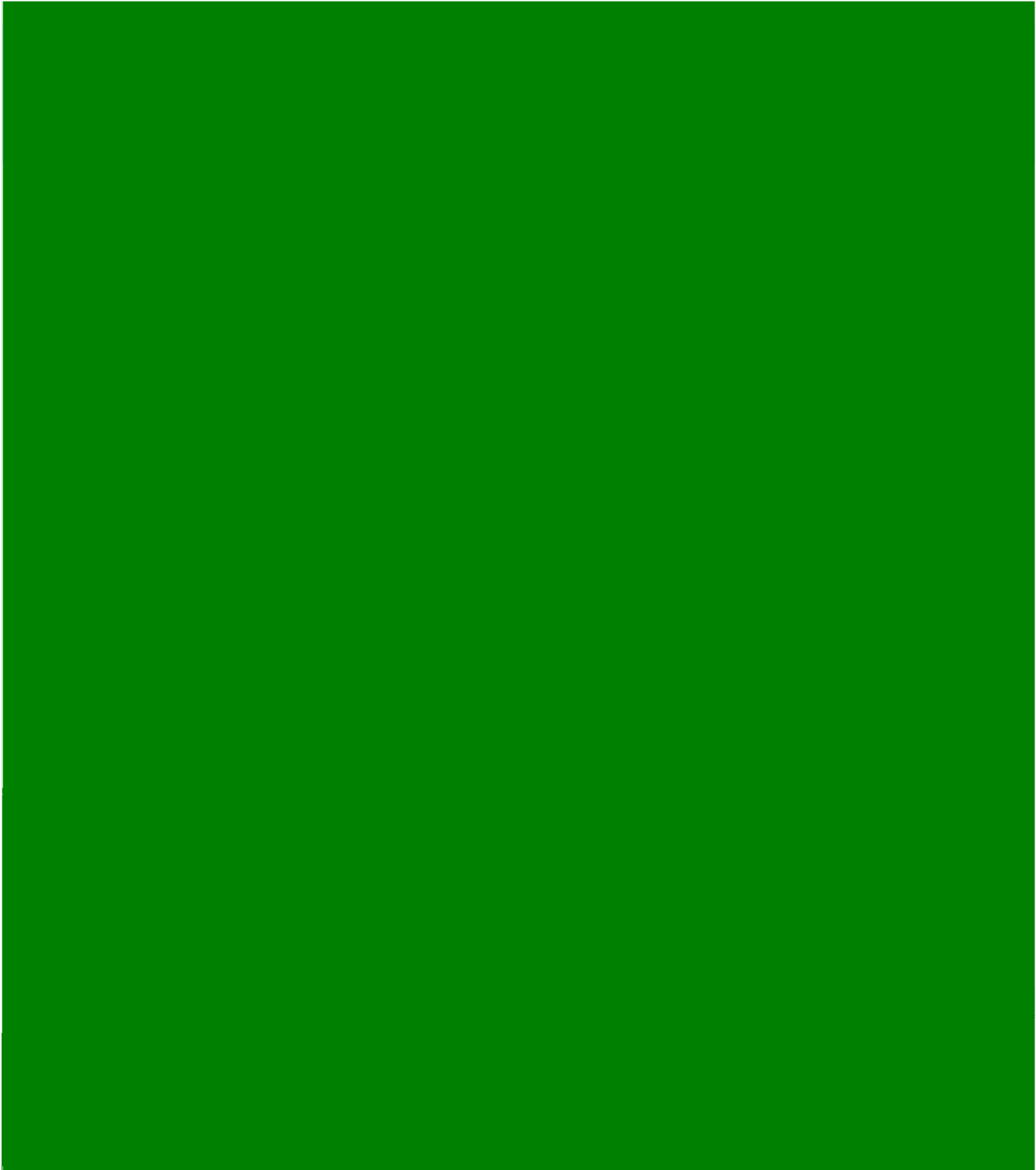


Table C3: Blue Box Sample Summary - By Functional Area

Waste Generating Areas	Total Weight of Sample
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Table C4: Red Box Sample Summary - By Functional Area

Waste Generating Areas		Total Weight of		Total Percent		Compositio	
Garbage	kg	%	kg	%	kg	%	
#1	0.24	1.51%	0.03	0.2%	0.27	0.77%	
E Plastic							
Containers #2	0.00	0.00%	0.00	0.00%	0.00	0.00%	
P	0.00	0.00%	0.00	0.00%	0.00	0.00%	
Polystyrene #6	0.14	0.88%	0.00	0.00%	0.14	0.52%	
G	0.00	0.00%	0.00	0.00%	0.00	0.00%	
Aluminum	0.00	0.00%	0.06	0.3%	0.06	0.22%	
Steel	0.00	0.00%	0.00	0.00%	0.00	0.00%	
Gal							
Cor	0.00	0.00%	0.00	0.00%	0.00	0.00%	
Asse							
Cor	0.21	1.32%	0.00	0.00%	0.21	0.77%	
Fine	8.20	51.48%	5.8	34.4%	14.01	51.58%	
New							

Table C10: Percentage of Red Box Composition per Functional Area



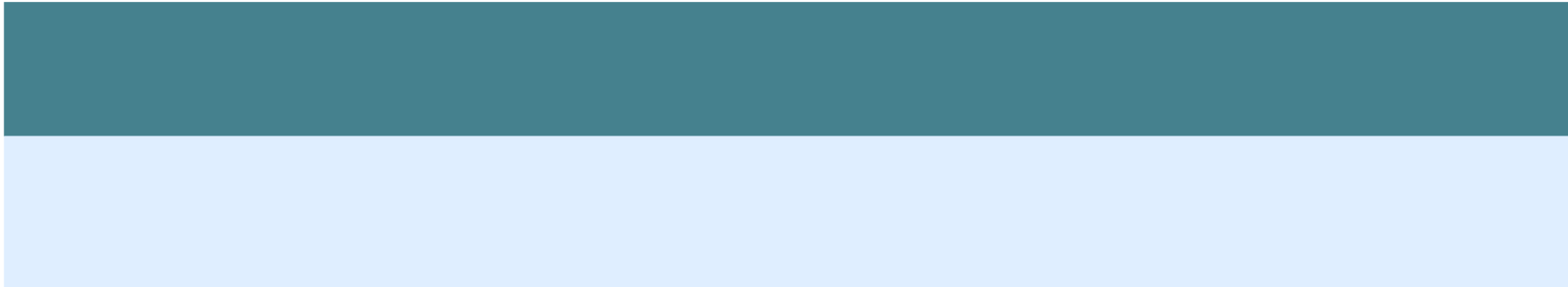
2023 Solid Non-Hazardous Waste Audit
GECDSB – Eastview Horizon Public School
October 2023



Client Name: Eastview Horizon Primary School

WRG Project No:

Date: 2023 - 2024



Ministry of the Environment Waste
Form Report of a Waste Audit
Industrial, Commercial and Institutional Establishments

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

IV. MANAGEMENT OF WASTE

.../3

V. ESTIMATED QUANTITY OF WASTE PRODUCED Eastview Horizon Public School

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

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

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 pr

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

VI. COMMUNICATION TO STAFF, CUSTOMERS, GUESTS AND VISITORS

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