AV Graham Public School
815 Brenda Crescent
Tecumseh, Ontario

2024 Waste Audit

Prepared For:

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Executive Summary

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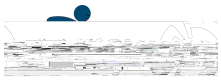


Contame

Estimated Annual Quantities Generated

- 11.7 MT of material are expected to be generated annually which consists primarily of the followin1r r t t

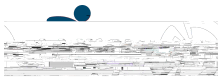
- Textiles - 0.19 MT of material is estimated to be generated annually through the garbage stream. Diverting this quantity from landfill could increase the waste diversion rate by up to 1.6%.

Add Organics Diversion Program

Paper towels generated in the garbage stream accounted for 1.68 MT of material annually. Diverting this material through a new organics diversion program could increase waste diversion by up to 14.3%. Organics generated in the garbage stream accounted for 1.05 MT of material annually. Diverting this material through a new organics diversion program could increase waste diversion by n

1. Introduction

Greater Essex District School Board retained Waste Reduction Group (“WRG”) to conduct a solid, non-hazardous waste audit for AV Graham Public School located at 815 Brenda Crescent in Tecumseh, Ontario (the Site). The audit complied with the Environmental Protection Act, O.Reg. 102/94: Waste Audits and Waste Reduction Work Plans, and O.Reg. 103/94: ɐr/ ⱬ



3.

Table 2: Sample Composition by Sampled Stream and Material (in kg and %n

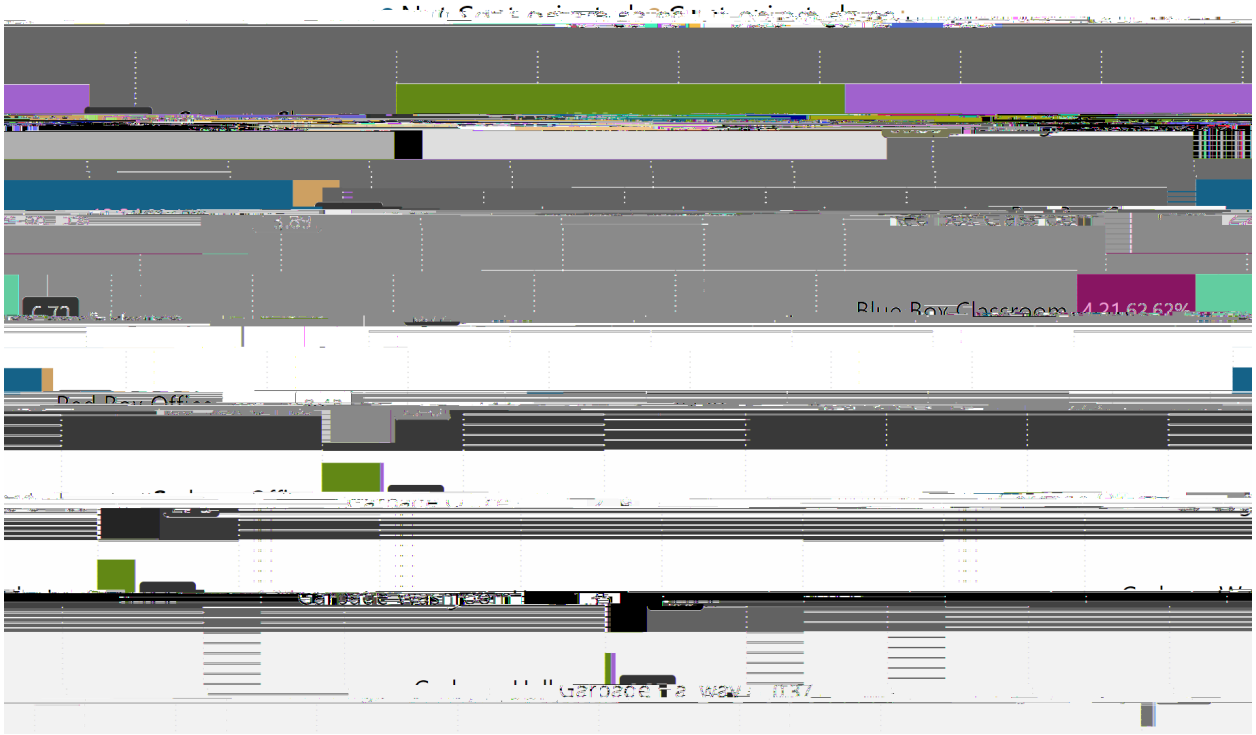
4.3 Sample Composition by Functional Area

The classroom generated the highest sample mass (89.50%) which consisted primarily of cardboard, paper towels, fine paper and organics. The figure below shows the sample compoma ه

The contamination rates for the sampled streams were as follows: Garbage stream - 47.53%, Red Box stream - 12.53% and Blue Box stream - 37.38%. The figures below show the contamination rate by the sampled stream and functional area.

Figure 1a: Contamination Rate by Sampled Stream

Figure 1b: Contamination Rate by Sampled Stream and Functional Area



AV Graham Public School
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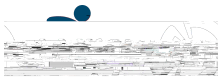


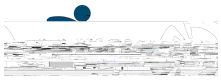


Figure 3a: Blue Box Sample Composition
(kg and % of sample stream)

Roughly 37.38% of the Blue Box sample was contaminated with garbage material. The breakdown of contamination is shown in the

Figure 3b: Blue Box Sample Composition

(

Figure 4b: Garbage Sample Contamination
(% of total sample mass and kg)

Notable Observations

- The garbage sample consisted of 52.47%

Mandatory Recyclables

O.Reg.193/04 requires that schools source separate the following materials (at a minimum):

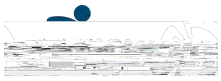
- Aluminum food and b

Figure 5: Ratio of Recyclables in Garbage Stream by T

Table 5: Breakdown of Other Recyclables in Garbage Sample by Material (in kg and % of garbage sample mass)

Notable observations are discussed below:

- The garbage sample consisted of 28.34% Mandatory Recyclables, 19.19% Other Recyclables, and 52.47% Other (Non-Recyclable) material.
- The Mandatory Recyclables in the garbage stream consisted of (in % of total sample mass) cardboard, fi



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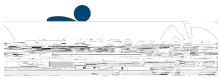

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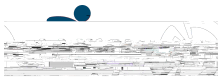


Estimated Annual Quantities Generated

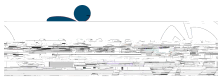
- 11.7 MT of material are expected to be generated annually which consists primarily of the following materials:
    - Cardboard - 2.6 MT
    - Paper towels - 1.82 MT
    - Fine paper - 1.71 MT
    - Organics - 1.14 MT
    - Non-recyclables - 1.02 MT

Waste Diversion Rate

- The 2024 waste diversion rate was calculated to be 38.19% (below the provincial objective of 60%) based on 4.47 MT of diverted waste and 11.7 MT of total waste generated and 194 school days.

Capture Rate

- The overall Capture Rate is 51.8% based on a total diverted quantity of 3.69 MT and a total potential divertible quantity of 7.13 MT. The Blue Box capture rate was 55.45% and Red Box capture rate was 52.60%. Textiles (Special Items) were found in the garbage stream and could be diverted from landfill.

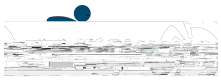


increase the waste diversion rate up to 0.07% and could increase the capture rate up to 0.11%.

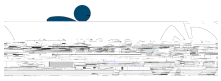
Red Box and Blue Box Streams

- Boxboard - 0.29 MT of material is estimated to be generated annually through the garbage stream. Diverting this quantity through the existing Red Box stream could increase the waste diversion rate by up to 2.47%.
- PP #5 - 0.29 MT of material is estimated to be generated annually through the garbage stream. Diverting this quantity through the existing Blue Box stream could increase the waste diversion rate by up to 2.44%.
  Kraft Paper/Other Fibres - 0.2 MT of material is estimated to be generated annually

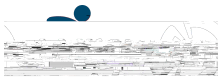
  increase the waste diversion rate by up to 1.1%.



Co ee Cups	All cups and containers used for hot/cold beverages and food (without a plastic oHot Primarily, hot/cold food and beverage containers are common in the fast food industry. Includes paper-based cups with a plastic lining, water cooler cups, freezer boxM



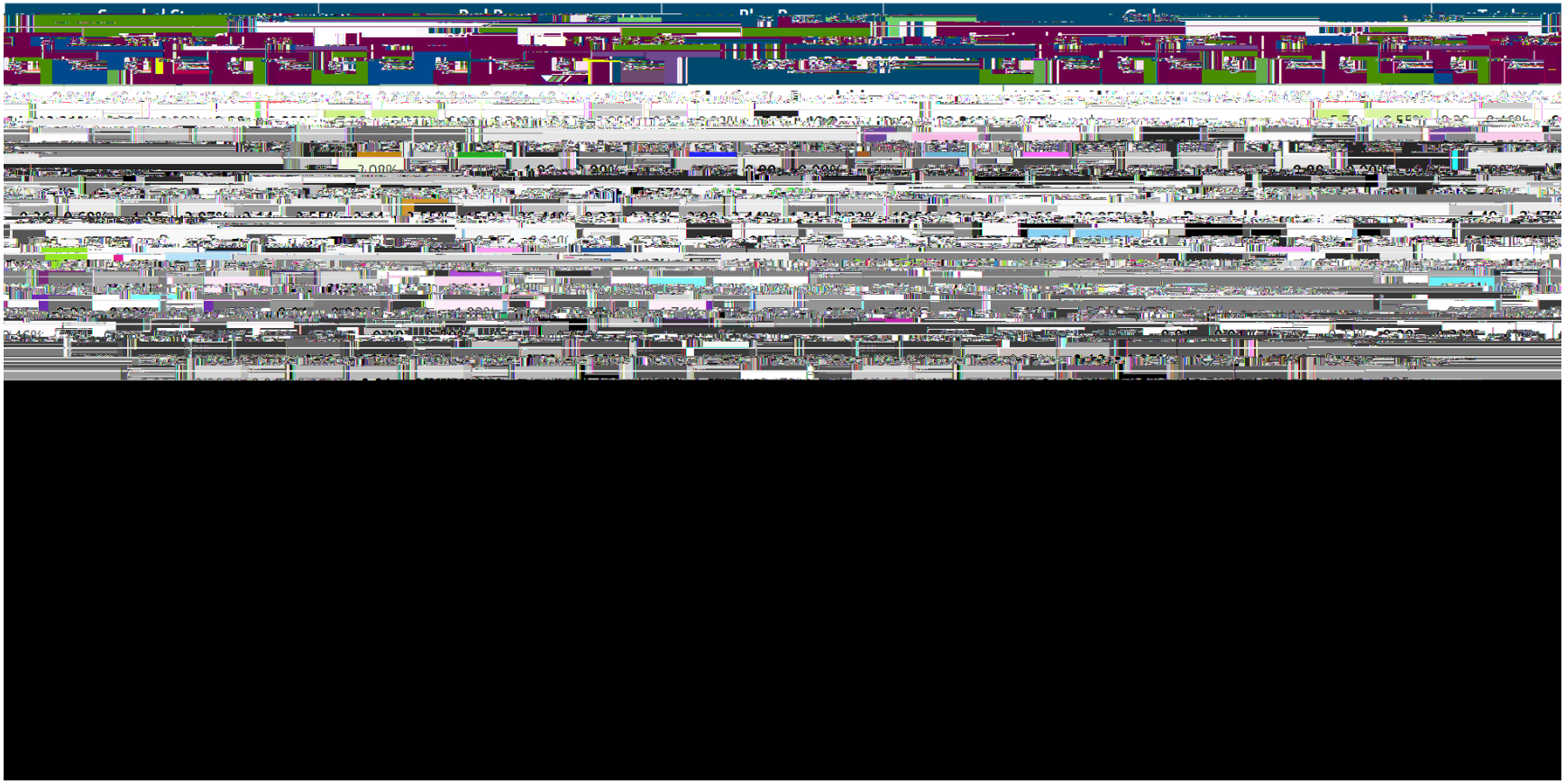
Glass: All clear]



Appendix B: Scale Calibration Certificate

Appendix C: Detailed Sample Composition

(Note: higher intensity of blue highlighting indicates higher sample weight/percent)



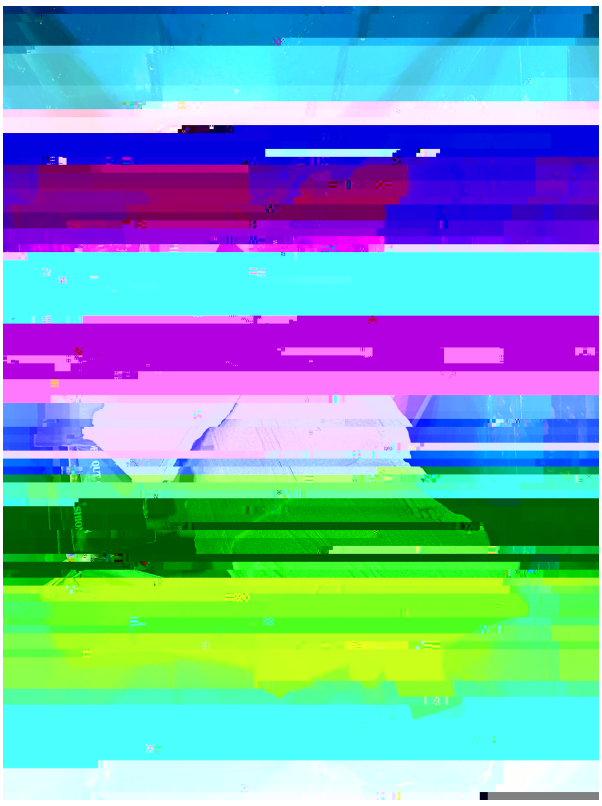
Appendix E: Site Photographs

Site Tour - typical red box and garbage receptacles

Site Tour - garbage receptacle in hallway

Site Tour - typical red box and blue box in classrooms

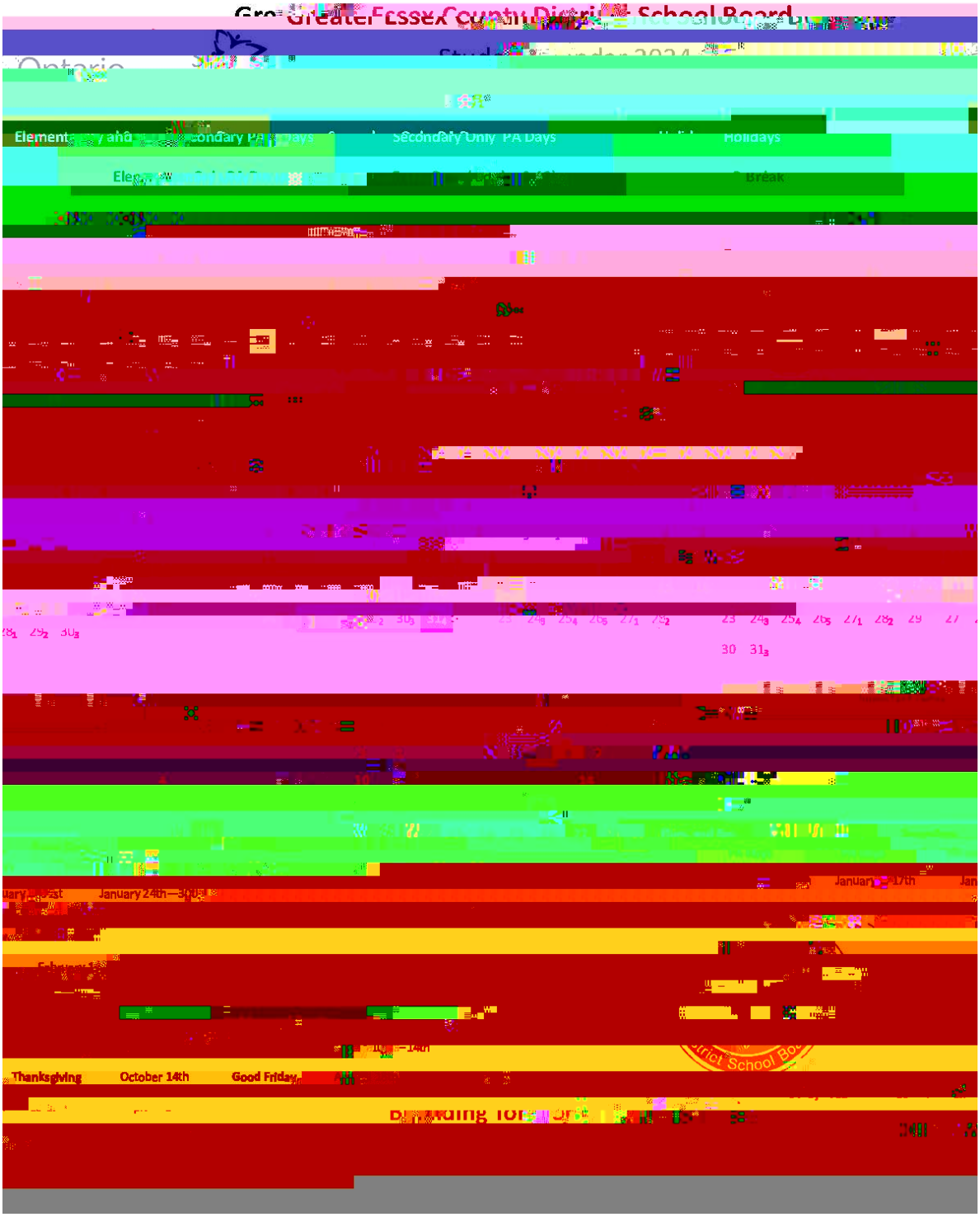
Site Tour - fine n خ



Waste audit - cardboard in classroom garbage stream

Waste audit - paper towels in classroom garbage stream

Appendix F: School Calendar



Appendix G: Waste Audit and Reduction Work Plan