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March 17, 2025

Mr. Steve Copp
Mirror Nova Scotia Limited
600 Otter Lake Drive
Lakeside, NS B3T 2E2

Dear Mr. Copp,

Re: February 2025 Performance Audit
Otter Lake Waste Processing & Disposal Facility

In February 2025, Strum Consulting was retained by Mirror Nova Scotia Limited (Mirror) to oversee a Performance Audit at the Otter Lake Waste Processing & Disposal Facility (Otter Lake) located at 600 Otter Lake Drive in Lakeside, NS.

The purpose of the Quarterly Performance Audit is to characterize the incoming residential waste stream and assess the percentage of compostable waste in this stream by mass. The audit also captures the incoming percentage of white goods and household hazardous waste (HHW). This letter report provides a summary of the Performance Audit completed on February 19, 2025.

SUMMARY

Based on nine samples being collected during the February 2025 Performance Audit, the total compostable waste percentage per area ranged from a minimum of 7.48% to a maximum of 20.72%. The total weighted Compostable Waste Percentage for the February 2025 Audit is calculated to be 13.92%. Due to inclement weather during the collection period, no sample was collected from Area 8 and was therefore not included in the February 2025 Audit.

Using the combined data collected during the May 2024, August 2024, November 2024, and February 2025 Performance Audits, the total compostable waste percentage ranged from a minimum of 7.65% to a maximum of 30.62%. For the four quarterly audits completed since May 2024, using the calculated 95% confidence interval, the percentage of Estimated Annual Compostable Waste is calculated to be between 9.00% and 14.19%, with a total weighted Compostable Waste Percentage value of 11.50%. The long-term cumulative goal (i.e., Performance Target) for Otter Lake includes compostable waste not exceeding 10% of the total amount of municipal solid waste landfilled, by mass.

BACKGROUND

In March 2022, Nova Scotia Environment & Climate Change (NSECC) issued an updated Municipal Approval for Otter Lake, allowing the Front End Processor and Waste Stabilization Facility (FEP/WSF) to be deactivated upon the submission and acceptance of a Compliance Plan in accordance with the Approval requirements.

As per the Approval, the Performance Targets for Otter Lake include (but are not limited to) a long-term goal of compostable waste not exceeding 10% of the total amount of municipal solid waste landfilled, by mass. In September 2023, NSECC approved the following timeline for working towards this long-term Performance Target of maximum per cent compostable waste in the garbage stream:

- March 31, 2024 - 11.61% Compostable Waste
- March 31, 2025 - 10.81% Compostable Waste
- March 31, 2026 - 10.00% Compostable Waste

The Compliance Plan outlines how Quarterly Performance Audits will be completed as a means to quantify the presence of compostable waste being received in the residential waste stream at Otter Lake. White goods and HHW were added to the audits based on comments received from NSECC after their review of the draft Compliance Plan.

METHODOLOGY

The methodology followed for the February 2025 Performance Audit reflects best practices identified in the Divert NS Waste Audit Manual and Field Procedures Guide (2017), as well as site specific processes established by Halifax Regional Municipality (HRM) and is summarized below.

Sample Load Identification

Residential curbside collection is divided into eight collection areas in HRM and condominium properties which are also considered to be residential. The geographic descriptions of the various areas are described in Table A, below.

Table A: Collection Area Descriptions

Waste Collection Area	Area Description
1	Halifax (former city limits); Spryfield
2	Dartmouth (former city limits)
3	Bedford; Hammonds Plains; Pockwock
4	Beechville-Timberlea; Herring Cove; Prospect; Peggy's Cove; St. Margaret's Bay to Hubbards
5	Sackville; Beaver Bank; Fall River; Waverley, Wellington; Dutch Settlement
6	Cole Harbour; Westphal; Cherry Brook; Eastern Passage; Cow Bay
7	Porters Lake; Lawrencetown; Chezzetcook; Lake Echo; Preston
8	Middle Musquodoboit; Musquodoboit Harbour; Elderbank; Sheet Harbour; Eastern Shore
Condos	Multi-residential style properties located in various communities

Based on residential curbside collection schedules for each specific collection area and the scheduled audit date and time, sample loads are selected ahead of time by HRM staff. A random number generator is used to choose which vehicle will be sampled.

The Alberta Provincial Waste Characterization Framework (2005) was reviewed and used to guide the number and weight of the samples to be collected. A minimum annual sample number of 40 samples is recommended, and as such, two samples were collected from collection Area 5 and one sample from all other curbside collection areas (Areas 1-4, 6-7, and Condos). Due to inclement weather during the collection period, no sample was collected from Area 8, and therefore there were only a total of 9 samples as part of the February 2025 Performance Audit. To avoid skewing the annual data, any duplicate samples are averaged to give a single value per area for each audit.

The selected loads were visually inspected at the tip face upon arrival and photographs were taken as shown in the attached photo log (Attachment 1). The following information was recorded for each load:

- Collection vehicle and route numbers
- Date/Time of arrival
- Date/Time sample taken
- Gross and tare weight of truck
- Weight of sample
- Number/type of bulky items observed
- Names of persons taking the sample
- Date/Time of sorting

Sample Size

Photographs of the auditing process are provided as Attachment 1. Once emptied from the vehicle, multiple sections of the load were selected in order to draw a sample that was representative of the load. Each sample was to contain a mix of clear and black bags. Containers shown in Photo 1 (Attachment 1) were used to collect a sample between 90 and 135 kg.

Records documenting the identifying information of each vehicle sampled (scale tickets - Attachment 2) and the Performance Audit Record field data sheets (Attachment 3) are also attached to this report.

Material Categories

The categories that were used to define the different types of compostable waste are consistent with the Approval and are outlined below in Table B.

Table B: Compostable Waste Sorting Categories

Category	Sub-Category	Examples
Fibre	Newsprint/Paper	The Chronicle Herald, The Coast, Masthead News, The Cobequid/Dartmouth/Cole Harbour Wire, flyers
	Corrugated Cardboard/Boxboard	Consumer boxes (e.g., from appliances, storage, filing, and shipping)
Organics	Food Waste (Putrescible)	Whole vegetables, fruit, meat, fish, leftover food waste, eggshells, peels, oils, bones, fat, packaged food (if most of it consists of food)
	Yard Waste	Grass, leaves, brush, branches, wood chips, soil

Materials which did not fall into one of the above noted categories were counted, weighed, and categorized as one of the following:

- Other garbage
- HHW including lead-acid (automotive) batteries, post-consumer paint products, ethylene glycol, used oil, used glycol, used oil filters, glycol containers, and oil containers.
- White goods (items such as toasters, microwaves, and coffee makers that would be mostly composed of metal materials that can be disposed of in garbage bags). It should be noted that the majority of white goods are not marketable from a recycling perspective.

Sorting Procedure

The sorting team consisted of several Mirror staff. All staff were briefed on the sorting protocols, including familiarity with example materials for each sorting category. Strum staff were designated as “Lead” and responsible for quality control and data collection.

The audit space consisted of an open area set up with tables for sorting waste materials, containers clearly labeled for each of the waste categories, and digital scales for weighing the waste materials. The containers used for sorting were weighed prior to commencing the audit and recorded on the data sheets to allow for net sample weights to be determined.

To maintain consistency, the Lead was responsible for weighing and recording the data on dedicated data sheets for each area, each time a container was filled. The process continued for each respective area until the full sample was properly sorted and weighed.

PREVIOUS ASSESSMENTS

A baseline was developed through previous Performance Audits that were completed for the 2022/23 fiscal year in May 2022 (report dated June 22, 2022), August 2022 (report dated November 4, 2022), November 2022 (report dated February 2, 2023), and February 2023 (report dated April 6, 2023). Using the combined data collected during the 2022/23 quarterly Performance Audits, the total weighted Compostable Waste Percentage value of 12.41% was found.

Performance Audits for the 2023/24 fiscal year began in May 2023 (report dated June 26, 2023), with additional audits completed in August 2023 (report dated October 30, 2023), November 2023 (report dated January 9, 2024), and February 2024 (report dated March 18, 2024). Using the combined data collected during the 2023/24 quarterly Performance Audits, the total weighted Compostable Waste Percentage value of 11.64% was found.

Performance Audits for the 2024/25 fiscal year began in May 2024 (report dated June 18, 2024), with additional audits completed in August 2024 (report dated September 24, 2024), and November 2024 (report dated December 4, 2024). Using the combined data collected during the 2024/25 quarterly Performance Audits completed to date, the total weighted Compostable Waste Percentage value of 10.71% was found.

February 2025 PERFORMANCE AUDIT SUMMARY

A summary of the February 2025 Performance Audit completed at Otter Lake is provided below in Table C. The February 2025 Performance Audit field data sheets containing the data collected respective to each waste collection area during the audit are attached to this report as Attachment 3.

Table C: February 2025 Performance Audit Results

Waste Collection Area	Category Percentage (%)							
	Garbage/ Residue	HHW	White Goods	Fibre - Newsprint/ Paper	Fibre - Corrugated Cardboard	Organics - Food/ Putrescible Waste	Organics - Yard Waste	Total Compostable Waste
1	87.56%	0.00%	0.90%	5.37%	2.39%	2.99%	0.00%	10.75%
2	80.75%	0.00%	0.75%	3.48%	3.98%	11.18%	0.00%	18.63%
3	84.69%	0.10%	1.53%	2.87%	2.97%	7.18%	0.00%	13.01%
4	81.22%	0.00%	1.99%	2.21%	2.87%	11.60%	0.00%	16.69%
5A	87.73%	0.00%	0.25%	1.96%	2.70%	6.99%	0.00%	11.66%
5B	84.09%	0.11%	0.91%	2.05%	2.39%	10.45%	0.00%	14.89%
6	84.04%	0.00%	0.64%	2.13%	3.94%	7.34%	0.00%	13.40%
7	90.97%	0.26%	2.06%	1.03%	1.94%	4.39%	0.13%	7.48%
8	-	-	-	-	-	-	-	-
Condos	76.98%	0.00%	0.86%	3.02%	1.87%	15.83%	0.00%	20.72%

Notes:
1. Total compostable waste percentage based on aggregate of four compostable waste category percentages.
2. No sample was collected from Area 8 during the February 2025 Audit due to inclement weather.

Using the data in Table C above, the total compostable waste percentage ranged from a minimum of 7.48% (Area 7) to a maximum of 20.72% (Condos), based on the 9 samples collected during the February 2025 Performance Audit. As noted previously, a sample was not collected from Area 8 during the February 2025 audit due to inclement weather.

Average Total Compostable Waste Percentage

A summary of the Total Compostable Waste percentage for the May 2024, August 2024, November 2024, and February 2025 Performance Audits completed at Otter Lake is provided below in Table D. Using this data, the Average Total Compostable Waste percentage was calculated for each area.

Table D: Average Total Compostable Waste

Waste Collection Area	Three Year Waste Average (Tonnes)	May 2024 Total Compostable Waste	August 2024 Total Compostable Waste	November 2024 Total Compostable Waste	February 2025 Total Compostable Waste	Average Total Compostable Waste Per Area
1	10014.25	18.71%*	7.32%	8.00%	10.75%	11.19%
2	6841.50	9.95%	6.12%**	7.04%	18.63%	10.44%
3	4433.34	18.36%	5.95%	12.95%***	13.01%	12.57%
4	5334.37	6.51%	6.93%	9.53%	16.69%	9.91%
5	8637.86	11.78%	7.57%	7.02%	13.27%****	9.91%
6	5150.89	11.26%	4.29%	8.38%	13.40%	9.33%
7	2930.93	8.91%	3.41%	10.78%	7.48%	7.65%
8	3298.51	11.76%	1.79%	25.61%	-	13.06%
Condos	2351.13	72.35%	15.00%	14.39%	20.72%	30.62%

Notes:

1. Data used to calculate three-year average provided by Mirror and included tonnage from the fiscal years 2021/2022, 2022/2023, and 2023/2024.
2. No sample was collected from Area 8 during the February 2025 Audit due to inclement weather.
3. *May 2024 Total Compostable Waste percentage for Area 1 is based on average of the two samples (1A and 1B) collected during the May 2024 waste audit.
4. ** August 2024 Total Compostable Waste percentage for Area 2 is based on average of the two samples (2A and 2B) collected during the August 2024 waste audit.
5. *** November 2024 Total Compostable Waste percentage for Area 3 is based on average of the two samples (3A and 3B) collected during the November 2024 waste audit.
6. **** February 2025 Total Compostable Waste percentage for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.

Based on the data in Table D above, the average total compostable waste percentage ranges from a minimum of 7.65% (Area 7) to a maximum of 30.62% (Condos).

Overall Compostable Waste

February 2025

As shown in Table E below, given the February 2025 total compostable waste percentage per area and the three-year average of waste tonnage per area, the estimated compostable waste tonnage per year has been calculated. Using the total of the Estimated Annual Compostable Waste (6361.28 tonnes) and the three-year waste average total (45,694.26 tonnes), the weighted Compostable Waste Percentage is calculated to be 13.92%. Supporting data is provided as Table 1 (Attachment 4).

Table E: Estimated Annual Compostable Waste based on February 2025 Data

Waste Collection Area	Three Year Waste Average (Tonnes)	February 2025 Total Compostable Waste	Estimated Annual Compostable Waste (Tonnes)
1	10014.25	10.75%	1076.16
2	6841.50	18.63%	1274.81
3	4433.34	13.01%	576.97
4	5334.37	16.69%	890.04
5	8637.86	13.27%*	1146.36
6	5150.89	13.40%	690.44
7	2930.93	7.48%	219.35
8	-	-	-
Condos	2351.13	20.72%	487.14
Total	**45694.26**	**N/A**	**6361.28**
Compostable Waste Percentage = (6361.28/45694.26) X 100 = 13.92%			

Notes:
1. Data used to calculate three-year average provided by Mirror and included tonnage from the fiscal years 2021/2022, 2022/2023, and 2023/2024.
2. *February 2025 Total Compostable Waste percentage for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.

Based on the data in Table E above, the Estimated Annual Compostable Waste per area ranges from a minimum of 219.35 tonnes (Area 7) to a maximum of 1274.81 tonnes (Area 2), with a mean of 795.16 tonnes. As noted previously, a sample was not collected from Area 8 during the February 2025 audit due to inclement weather. Given that, its three year waste average tonnage was not included in the estimated annual compostable waste calculation.

May 2024, August 2024, November 2024, and February 2025

As shown in Table F below, given the average (May 2024, August 2024, November 2024, and February 2025) total compostable waste percentage per area and the three-year average of waste tonnage per area, the estimated compostable waste tonnage per year has been calculated. Using the totals of the Estimated Annual Compostable Waste (5632.28 tonnes) and the three-year waste average total (48,992.77 tonnes), the weighted Compostable Waste Percentage is calculated to be 11.50%. Supporting data is provided as Table 2 (Attachment 4).

Table F: Estimated Annual Compostable Waste – May 2024, August 2024, November 2024, and February 2025

Waste Collection Area	Three Year Waste Average (Tonnes)	Three Year Waste Average (% Total)	Average Total Compostable % Per Area	Estimated Annual Compostable Waste (Tonnes)
1	10014.25	20.44%	11.19%	1120.98
2	6841.50	13.96%	10.44%	714.08
3	4433.34	9.05%	12.57%	557.20
4	5334.37	10.89%	9.91%	528.75
5	8637.86	17.63%	9.91%	855.94
6	5150.89	10.51%	9.33%	480.79
7	2930.93	5.98%	7.65%	224.08
8	3298.51	6.73%	13.06%	430.62
Condos	2351.13	4.80%	30.62%	719.84
Total	**48992.77**	**100.00%**	**N/A**	**5632.28**
Compostable Waste Percentage = (5632.28/48992.77) X 100 = 11.50%				

Notes:
1. Data used to calculate three-year average provided by Mirror and included tonnage from the fiscal years 2021/2022, 2022/2023, and 2023/2024.

Based on the data in Table F above, the Estimated Annual Compostable Waste per area ranges from a minimum of 224.08 tonnes (Area 7) to a maximum of 1120.98 tonnes (Area 1), with a mean of 625.81 tonnes.

DESCRIPTIVE STATISTICS

A descriptive statistical analysis was completed on the Estimated Annual Compostable Waste tonnage and the Estimated Annual Food/Putrescible Waste calculated per area from the February 2025 Performance Audit. The statistical analysis was completed using the Microsoft Excel Analysis ToolPak Descriptive Statistics analysis tool. Supporting data for the statistical analysis is provided as Tables 1 – 4 (Attachment 4).

Compostable Waste

At 95% confidence interval, the Estimated Average Annual Compostable Waste tonnage per area is calculated to be between 490.13 tonnes (lower bound) and 772.65 tonnes (upper bound). The confidence interval was calculated by subtracting/adding the calculated 95% confidence level (141.26) from the mean (631.39 tonnes).

By multiplying the lower bound (490.13 tonnes) and the upper bound (772.65 tonnes) of the 95% confidence interval by nine (for each area), the Total Estimated Annual Compostable Waste would have a calculated range of 4411.14 tonnes to 6953.81 tonnes. By dividing the lower and upper range of the Total Estimated Annual Compostable Waste by the three-year waste average total (48,992.77 tonnes), and multiplying the values by 100%, the percentage of Estimated Annual Compostable Waste is calculated to be between 9.00% and 14.19%.

Food/Putrescible Waste

At 95% confidence interval, the Estimated Average Annual Food/Putrescible Waste tonnage per area is calculated to be between 245.97 tonnes (lower bound) and 436.27 tonnes (upper bound). The confidence interval was calculated by subtracting/adding the calculated 95% confidence level (95.15) from the mean (341.12 tonnes).

By multiplying the lower bound (245.97 tonnes) and the upper bound (436.27 tonnes) of the 95% confidence interval by nine (for each area), the Total Estimated Annual Food/Putrescible Waste would have a calculated range from 2213.69 tonnes to 3926.47 tonnes. By dividing the lower and upper range of the Total Estimated Annual Food/Putrescible Waste by the three-year waste average total (48,992.77 tonnes), and multiplying the values by 100%, the percentage of Estimated Annual Food/Putrescible Waste is calculated to be between 4.52% and 8.01%. The estimated annual Food Waste percentage is calculated to be 6.23%. Supporting data is provided as Tables 5-8 (Attachment 4).

The above noted statistical analyses are based on a total of 39 samples collected during the May 2024, August 2024, November 2024, and February 2025 Performance Audits.

CLOSURE

This report was prepared by [redacted]. Should additional information become available, Strum requests that this information be brought to our attention immediately so that we can re-assess the conclusions presented in this report.

This Report and any use of the Report is subject to the terms herein (see attached Statement of Qualifications and Limitations).

If you have any questions, please contact us.

Thank you,

[redacted]

[redacted]

STATEMENT OF QUALIFICATIONS AND LIMITATIONS

This Report (the "Report") has been prepared by Strum Consulting ("Consultant") for the benefit of Mirror Nova Scotia Limited ("Client") in accordance with the agreement between Consultant and Client, including the scope of work detailed therein (the "Agreement").

The information, data, recommendations, and conclusions contained in the Report (collectively, the "Information"):

- is subject to the scope, schedule, and other constraints and limitations in the Agreement and the qualifications contained in the Report (the "Limitations")
- represents Consultant's professional judgement in light of the Limitations and industry standards for the preparation of similar reports
- may be based on information provided to consultant which has not been independently verified
- has not been updated since the date of issuance of the Report and its accuracy is limited to the time period and circumstances in which it was collected, processed, made or issued
- must be read as a whole and sections thereof should not be read out of such context
- was prepared for the specific purposes described in the Report and the Agreement
- in the case of subsurface, environmental, or geotechnical conditions, may be based on limited testing and on the assumption that such conditions are uniform and not variable either geographically or over time

Consultant shall be entitled to rely upon the accuracy and completeness of information that was provided and has no obligation to update such information. Consultant accepts no responsibility for any events or circumstances that may have occurred since the date on which the Report was prepared and, in the case of subsurface, environmental, or geotechnical conditions, is not responsible for any variability in such conditions, geographically or over time.

Consultant agrees that the Report represents its professional judgement as described above and that the Information has been prepared for the specific purpose and use described in the Report and the Agreement, but Consultant makes no other representations, or any guarantees or warranties whatsoever, whether express or implied, with respect to the Report, the Information or any part thereof.

The Report is to be treated as confidential and may not be used or relied upon by third parties, except:

- as agreed in writing by Consultant and Client
- as required by law
- for use by governmental reviewing agencies

Consultant accepts no responsibility, and denies any liability whatsoever, to parties other than Client who may obtain access to the Report or the Information for any injury, loss, or damage suffered by such parties arising from their use of, reliance upon, or decisions or actions based on the Report or any of the Information ("improper use of the Report"), except to the extent those parties have obtained the prior written consent of Consultant to use and rely upon the Report and the Information. Any damages arising from improper use of the Report or parts thereof shall be borne by the party making such use.

ATTACHMENT 1
PHOTOGRAPH LOG

Photo 1: Waste audit sample collected from HRM collection Area 1.
Photo taken on February 7, 2025.

Photo 2: White goods waste sample collected from HRM collection Area 1.
Photo taken on February 19, 2025, during waste audit.

Photo 3: Newsprint/paper waste bin of HRM collection Area 1.
Photo taken on February 19, 2025, during waste audit.

Photo 4: OCC waste bin sorted from HRM collection Area 1.
Photo taken on February 19, 2025, during waste audit.

Photo 5: Waste collection vehicle unloading waste collected from HRM Area 2.
Photo taken on February 10, 2025.

Photo 6: OCC waste sample from HRM collection Area 2.
Photo taken on February 19, 2025, during waste audit.

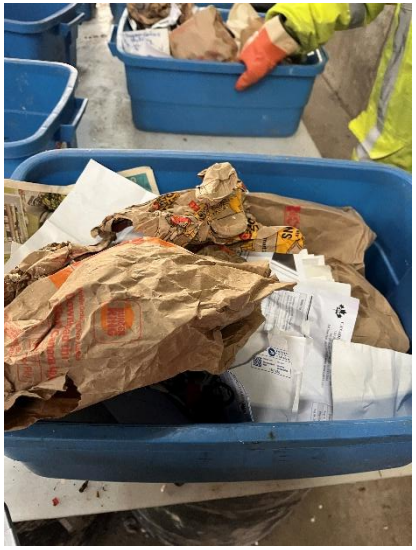

Photo 7: Paper waste collected from HRM collection Area 2.
Photo taken on February 19, 2025, during waste audit.

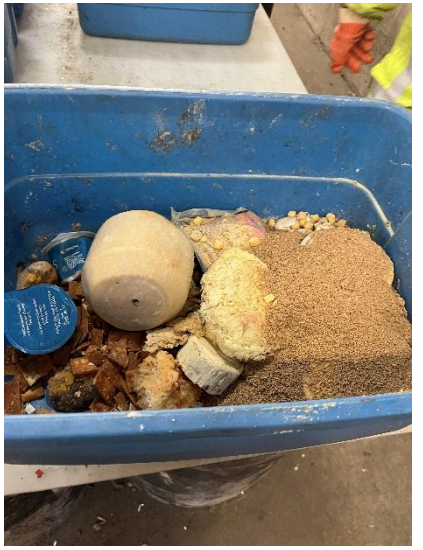

Photo 8: Food waste sample collected from HRM collection Area 2.
Photo taken on February 19, 2025, during waste audit.

Photo 9: Waste collection pile from HRM collection Area 3A.
Photo taken on February 14, 2025.

Photo 10: Hazardous waste sample collected from HRM collection Area 3.
Photo taken on February 19, 2025.

Photo 11: Cardboard waste bin of HRM collection Area 3.
Photo taken on February 19, 2025, during waste audit.

Photo 12: Food waste bin sorted from HRM collection Area 3.
Photo taken on February 19, 2025, during waste audit.

Photo 13: Waste collection vehicle unloading waste collected from HRM Area 4.
Photo collected February 12, 2025.

Photo 14: White goods waste sample from HRM collection Area 4.
Photo taken on February 19, 2025, during waste audit.

Photo 15: Paper waste bin sorted from HRM collection Area 4.
Photo taken on February 19, 2025, during waste audit.

Photo 16: Food waste bin sorted from HRM collection Area 4.
Photo taken on February 19, 2025, during waste audit.

Photo 17: Waste collection vehicle unloading waste collected from HRM Area 5A. Photo taken on February 6, 2025.

Photo 18: Food waste audit sample from HRM collection Area 5A. Photo taken on February 19, 2025.

Photo 19: OCC waste sorted from HRM collection Area 5A. Photo taken on February 19, 2025, during waste audit.

Photo 20: Newsprint/paper waste sorted from HRM collection Area 5A. Photo taken on February 19, 2025, during waste audit.

Photo 21: Waste pile HRM collection Area 5B.
Photo taken on February 4, 2025.

Photo 22: OCC waste sample from HRM collection Area 5B (extra load.
Photo taken on February 19, 2025, during waste audit.

Photo 23: Newsprint/paper waste sorted from HRM collection Area 5B (extra load).
Photo taken on February 19, 2025, during waste audit.

Photo 24: Food waste bin sorted from HRM collection Area 5B (extra load).
Photo taken on February 19, 2025, during waste audit.

Photo 25: Waste collection pile from HRM Area 6.
Photo taken on February 7, 2025.

Photo 26: White goods waste bin separated from HRM collection Area 6.
Photo taken on February 19, 2025, during waste audit.

Photo 27: OCC waste bin separated from HRM collection Area 6.
Photo taken on February 19, 2025, during waste audit.

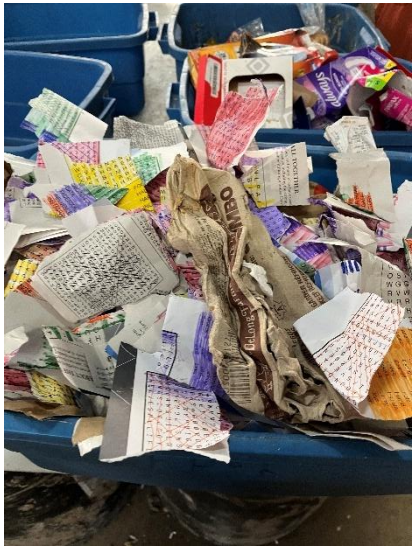

Photo 28: Newsprint/paper waste bin separated from HRM collection Area 6.
Photo taken on February 19, 2025, during waste audit.

Photo 29: Waste collection pile from HRM Area 7.
Photo taken on February 11, 2025.

Photo 30: Waste audit sample from HRM collection Area 7.
Photo taken on February 19, 2025, during waste audit.

Photo 31: White goods waste bin separated from HRM collection Area 7.
Photo taken on February 19, 2025, during waste audit.

Photo 32: Hazardous waste bin sample from HRM collection Area 7.
Photo taken on February 19, 2025, during waste audit.

Photo 33: Waste audit sample from HRM collection Area 9 (Condos). Photo taken on February 1, 2025.

Photo 34: Newsprint/paper waste sample from HRM collection Area 9 (Condos). Photo taken on February 19, 2025, during waste audit.

Photo 35: Yard waste bin separated from HRM collection Area 9 (Condos). Photo taken on February 19, 2025, during waste audit.

Photo 36: Food waste sample from HRM collection Area 9 (Condos) following sorting. Photo taken on February 19, 2025, during waste audit.

ATTACHMENT 2
SCALE TICKETS

Halifax Regional Municipality

Scale Slip: 100787
02/14/2025 12:39:15
Clerk: DMS

Vehicle ID: RE1042
License Plate: 57-422-D
Waste Type: residential
Origin: BEDFORD/HAMMONDS PLAINS
Invoice: 0400927
Royal Environmental Group

Gross Weight: 23,410 (kg)
Tare Weight: 16,690 (kg)
Net Weight: 6,720 (kg)

$0.00

Total: $0.00

Halifax Regional Municipality

Scale Slip: 100783
02/14/2025 09:19:01
Clerk: DMS

Vehicle ID: MW2422
License Plate: 43-098-D
Waste Type: residential
Origin: BEDFORD SACKVILLE CONDOS
Invoice: 0188466
MILLER WASTE SYSTEMS

Gross Weight: 13,810 (kg)
Tare Weight: 13,060 (kg)
Net Weight: 750 (kg)

$0.00

Total: $0.00

Halifax Regional Municipality

Scale Slip:	100747
	02/12/2025 15:08:47
Clerk:	Shelley

Vehicle ID:	GFL007
License Plate:	45362D
Waste Type:	residential
Origin:	WESTERN COUNTY
Invoice:	0402150
	GFL Environmental Inc

Gross Weight:	28,600 (kg)	
Tare Weight:	16,940 (kg)	
Net Weight:	11,660 (kg)	
		$0.00
Total:		$0.00

Halifax Regional Municipality

Scale Slip: 100713
02/11/2025 14:39:46
Clerk: Shelley

Vehicle ID: MW9519
License Plate: 56245D
Waste Type: residential
Origin: PRESTON/LAWRENCETOWN/LK ECHO
Invoice: 0188466
MILLER WASTE SYSTEMS

Gross Weight: 23,100 (kg)
Tare Weight: 17,290 (kg)
Net Weight: 5,810 (kg)

$0.00

Total: $0.00

Halifax Regional Municipality

Scale Slip: 100691
02/10/2025 15:07:57
Clerk: Shelley

Vehicle ID: RE2104
License Plate: 44-091-D
Waste Type: residential
Origin: DARTMOUTH
Invoice: 0400927
Royal Environmental Group

Gross Weight: 24,470 (kg)
Tare Weight: 16,170 (kg)
Net Weight: 8,300 (kg)

$0.00

Total: $0.00

Halifax Regional Municipality

Scale Slip: 100665
02/07/2025 14:42:20
Clerk: DMS

Vehicle ID: RE9056
License Plate: 58-029-D
Waste Type: residential
Origin: COLE HARBOUR/EASTERN PASSAGE
Invoice: 0400927
Royal Environmental Group

Gross Weight: 25,400 (kg)
Tare Weight: 17,040 (kg)
Net Weight: 8,360 (kg)

$0.00

Total: $0.00

Halifax Regional Municipality

Scale Slip: 100654
02/07/2025 12:47:14
Clerk: DMS

Vehicle ID: RE1038
License Plate: 55-578-D
Waste Type: residential
Origin: HALIFAX
Invoice: 0400927
Royal Environmental Group

Gross Weight: 23,830 (kg)
Tare Weight: 16,440 (kg)
Net Weight: 7,390 (kg)

$0.00

Total: $0.00

Halifax Regional Municipality

Scale Slip: 100635
02/06/2025 15:33:32
Clerk: DMS

Vehicle ID: RE1044
License Plate: 57-424-D
Waste Type: residential
Origin: SACKVILLE/FALL RIVER
Invoice: 0400927
Royal Environmental Group

Gross Weight: 23,070 (kg)
Tare Weight: 16,470 (kg)
Net Weight: 6,600 (kg)

$0.00

Total: $0.00

Halifax Regional Municipality

Scale Slip:	100568
	02/04/2025 14:42:10
Clerk:	Shelley

Vehicle ID:	RE1029
License Plate:	55-318-D
Waste Type:	residential
Origin:	SACKVILLE/FALL RIVER
Invoice:	0400927
	Royal Environmental Group

Gross Weight:	25,220 (kg)	
Tare Weight:	16,650 (kg)	
Net Weight:	8,570 (kg)	
		$0.00
Total:		$0.00

ATTACHMENT 3
FIELD DATA SHEETS

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 1

Number of Sorters 5

Weighscale Ticket Information

Truck Number/ID	RE1038
Collection Area	Halifax
Date	02/07/2025
Ticket Time	12:47:14
Gross Weight	23,830 KG
Tare Weight	16,440 KG
Net Weight	7,390 KG

Weigth of Gross Sample 150.5 KG

Weight of Tote Bin 50.0 KG

Net Sample of Trash 100.5 KG

Number of Bulkies Observed 0

Date of Audit of Sample 19-Feb-25

Sample Audit Time Started 12:35 PM

Sample Audit Time Completed 1:10 PM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)			Net Sample (KG)	Compostables (%)
		1	2	3		
Garbage/Residue	50.0	138.0	-	-	88.0	87.56%
Fibre - Newsprint/Paper	3.3	2.1	5.2	1.4	5.4	5.37%
Fibre - OCC	2.2	2.9	1.7	-	2.4	2.39%
Food/Putrescible Waste	1.1	4.1	-	-	3.0	2.99%
Yard Waste	-	-	-	-	-	-
HHW	-	-	-	-	-	-
White Goods	1.1	2.0	-	-	0.9	0.90%
Lost or Gained Mass	**Combined Weight Following Sorting**				0.00	
	150.5					

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 2

Number of Sorters 5

Weighscale Ticket Information

Truck Number/ID	RE2104
Collection Area	Dartmouth
Date	02/10/2025
Ticket Time	15:07:17
Gross Weight	24,470 KG
Tare Weight	16,170 KG
Net Weight	8,300 KG

Weigth of Gross Sample 131.5 KG

Weight of Tote Bin 51.0 KG

Date of Audit of Sample 19-Feb-25

Net Sample of Trash 80.5 KG

Sample Audit Time Started 11:00 AM

Number of Bulkies Observed 0

Sample Audit Time Completed 11:30 AM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)		Net Sample (KG)	Compostables (%)
		1	2		
Garbage/Residue	51.0	116.0	-	65.0	80.75%
Fibre - Newsprint/Paper	2.2	2.8	2.2	2.8	3.48%
Fibre - OCC	2.2	3.0	2.4	3.2	3.98%
Food/Putrescible Waste	2.2	5.5	5.7	9.0	11.18%
Yard Waste	-	-	-	-	-
HHW	-	-	-	-	-
White Goods	1.1	1.7	-	0.6	0.75%
Lost or Gained Mass	**Combined Weight Following Sorting**			0.00	
	131.5				

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 3

Number of Sorters 4

Weighscale Ticket Information

Truck Number/ID	RE1042
Collection Area	Bedford/Hammonds Plains
Date	02/14/2025
Ticket Time	12:39:15
Gross Weight	23,410 KG
Tare Weight	16,690 KG
Net Weight	6,720 KG

Weigth of Gross Sample 155.0 KG

Weight of Tote Bin 50.5 KG

Date of Audit of Sample 19-Feb-25

Net Sample of Trash 104.5 KG

Sample Audit Time Started 8:45 AM

Number of Bulkies Observed 0

Sample Audit Time Completed 9:20 AM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)			Net Sample (KG)	Compostables (%)
		1	2	3		
Garbage/Residue	50.5	139.0	-	-	88.5	84.69%
Fibre - Newsprint/Paper	3.3	2.7	2.1	1.5	3.0	2.87%
Fibre - OCC	3.3	2.8	2.2	1.4	3.1	2.97%
Food/Putrescible Waste	2.2	3.8	5.9	-	7.5	7.18%
Yard Waste	-	3.8	5.9	-	-	-
HHW	1.1	1.2			0.1	0.10%
White Goods	2.2	1.2	2.6	-	1.6	1.53%
Lost or Gained Mass	**Combined Weight Following Sorting**				-0.32	
	154.5					

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 4

Number of Sorters 5

Weighscale Ticket Information

Truck Number/ID	GFL007
Collection Area	Western County
Date	02/12/2025
Ticket Time	15:08:47
Gross Weight	28,600 KG
Tare Weight	16,940 KG
Net Weight	11,660 KG

Weigth of Gross Sample 141.0 KG

Weight of Tote Bin 50.5 KG

Net Sample of Trash 90.5 KG

Number of Bulkies Observed 0

Date of Audit of Sample 19-Feb-25

Sample Audit Time Started 10:00 AM

Sample Audit Time Completed 10:35 AM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)			Net Sample (KG)	Compostables (%)
		1	2	3		
Garbage/Residue	50.5	124.0	-	-	73.5	81.22%
Fibre - Newsprint/Paper	2.2	1.7	2.5	-	2.0	2.21%
Fibre - OCC	3.3	2.5	1.2	2.2	2.6	2.87%
Food/Putrescible Waste	2.2	5.0	7.7	-	10.5	11.60%
Yard Waste	-	-	-	-	-	-
HHW	-	-	-	-	-	-
White Goods	1.1	2.9	-	-	1.8	1.99%
Lost or Gained Mass	**Combined Weight Following Sorting**				0.00	
	141.0					

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 5A

Number of Sorters 5

Weighscale Ticket Information

Truck Number/ID	RE1044
Collection Area	Sackville/ Fall River
Date	02/06/2025
Ticket Time	15:33:32
Gross Weight	23,070 KG
Tare Weight	16,470 KG
Net Weight	6,600 KG

Weigth of Gross Sample 131.0 KG

Weight of Tote Bin 49.5 KG

Date of Audit of Sample 19-Feb-25

Net Sample of Trash 81.5 KG

Sample Audit Time Started 1:10 PM

Number of Bulkies Observed 0

Sample Audit Time Completed 1:35 PM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)		Net Sample (KG)	Compostables (%)
		1	2		
Garbage/Residue	49.5	121.0	-	71.5	87.73%
Fibre - Newsprint/Paper	2.2	1.9	1.9	1.6	1.96%
Fibre - OCC	2.2	2.2	2.2	2.2	2.70%
Food/Putrescible Waste	1.1	6.8	-	5.7	6.99%
Yard Waste	-	-	-	-	-
HHW	-	-	-	-	-
White Goods	1.1	1.3	-	0.2	0.25%
Lost or Gained Mass	**Combined Weight Following Sorting**			0.00	
	131.0				

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 5B

Number of Sorters 4

Weighscale Ticket Information

Truck Number/ID	RE1029
Collection Area	Sackville/ Fall River
Date	02/04/2025
Ticket Time	14:42:10
Gross Weight	25,220 KG
Tare Weight	16,650 KG
Net Weight	8,570 KG

Weigth of Gross Sample 138.0 KG

Weight of Tote Bin 50.0 KG

Date of Audit of Sample 19-Feb-25

Net Sample of Trash 88.0 KG

Sample Audit Time Started 1:35 PM

Number of Bulkies Observed 0

Sample Audit Time Completed 2:10 PM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)		Net Sample (KG)	Compostables (%)
		1	2		
Garbage/Residue	50.0	124.0	-	74.0	84.09%
Fibre - Newsprint/Paper	2.2	1.9	2.1	1.8	2.05%
Fibre - OCC	2.2	1.6	2.7	2.1	2.39%
Food/Putrescible Waste	2.2	3.4	8.0	9.2	10.45%
Yard Waste	-	-	-	-	-
HHW	1.1	1.2	-	0.1	0.11%
White Goods	1.1	1.9	-	0.8	0.91%
Lost or Gained Mass	**Combined Weight Following Sorting**			0.00	
	138.0				

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 6

Number of Sorters 5

Weighscale Ticket Information

Truck Number/ID	RE9056
Collection Area	Cole Harbour/ Eastern Passage
Date	02/07/2025
Ticket Time	14:42:20
Gross Weight	25,400 KG
Tare Weight	17,040 KG
Net Weight	8,360 KG

Weigth of Gross Sample 144.0 KG

Weight of Tote Bin 50.0 KG

Date of Audit of Sample 19-Feb-25

Net Sample of Trash 94.0 KG

Sample Audit Time Started 11:30 AM

Number of Bulkies Observed 0

Sample Audit Time Completed 12:00 PM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)		Net Sample (KG)	Compostables (%)
		1	2		
Garbage/Residue	50.0	129.0	-	79.0	84.04%
Fibre - Newsprint/Paper	2.2	2.3	1.9	2.0	2.13%
Fibre - OCC	2.2	2.5	3.4	3.7	3.94%
Food/Putrescible Waste	2.2	4.3	4.8	6.9	7.34%
Yard Waste	-	-	-	-	-
HHW	-	-	-	-	-
White Goods	1.1	1.7	-	0.6	0.64%
Lost or Gained Mass	**Combined Weight Following Sorting**			0.00	
	144.0				

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 7

Number of Sorters

Weighscale Ticket Information

Truck Number/ID	MW9519
Collection Area	Preston/ Lawrencetown/Lake Echo
Date	02/11/2025
Ticket Time	14:39:46
Gross Weight	23,100 KG
Tare Weight	17,290 KG
Net Weight	5,810 KG

Weigth of Gross Sample 127.0 KG

Weight of Tote Bin 49.5 KG

Date of Audit of Sample 19-Feb-25

Net Sample of Trash 77.5 KG

Sample Audit Time Started 10:35 AM

Number of Bulkies Observed 0

Sample Audit Time Completed 11:00 AM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)		Net Sample (KG)	Compostables (%)
		1	2		
Garbage/Residue	49.5	120.0	-	70.5	90.97%
Fibre - Newsprint/Paper	2.2	1.3	1.7	0.8	1.03%
Fibre - OCC	2.2	1.9	1.8	1.5	1.94%
Food/Putrescible Waste	1.1	4.5	-	3.4	4.39%
Yard Waste	1.1	1.2	-	0.1	0.13%
HHW	1.1	1.3	-	0.2	0.26%
White Goods	1.1	2.7	-	1.6	2.06%
Lost or Gained Mass	**Combined Weight Following Sorting**			0.39	
	127.5				

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area Condos

Number of Sorters 5

Weighscale Ticket Information

Truck Number/ID	MW2422
Collection Area	Bedford Sackville Condos
Date	02/14/2025
Ticket Time	9:19:01
Gross Weight	13,810 KG
Tare Weight	13,060 KG
Net Weight	750 KG

Weigth of Gross Sample 119.5 KG

Weight of Tote Bin 50.0 KG

Date of Audit of Sample 19-Feb-25

Net Sample of Trash 69.5 KG

Sample Audit Time Started 9:20 AM

Number of Bulkies Observed 0

Sample Audit Time Completed 10:00 AM

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)		Net Sample (KG)	Compostables (%)
		1	2		
Garbage/Residue	50.0	103.5	-	53.5	76.98%
Fibre - Newsprint/Paper	2.2	2.1	2.2	2.1	3.02%
Fibre - OCC	2.2	1.9	1.6	1.3	1.87%
Food/Putrescible Waste	2.2	4.6	8.6	11.0	15.83%
Yard Waste	-	-	-	-	-
HHW	-	-	-	-	-
White Goods	1.1	1.7	-	0.6	0.86%
Lost or Gained Mass	**Combined Weight Following Sorting**			0.00	
	119.5				

Notes:

Performance Audit Record

Date 19-Feb-25

Name of Supervisor [redacted]

Area 8

Number of Sorters -

Weighscale Ticket Information

Truck Number/ID	-
Collection Area	Eastern County
Date	-
Ticket Time	-
Gross Weight	-
Tare Weight	-
Net Weight	-

Weigth of Gross Sample -

Weight of Tote Bin -

Date of Audit of Sample 19-Feb-25

Net Sample of Trash -

Sample Audit Time Started -

Number of Bulkies Observed -

Sample Audit Time Completed -

Material	Empty Bin Weight (KG)	Total Separated Sample Weights (KG)			Net Sample (KG)	Compostables (%)
		1	2	3		
Garbage/Residue	-	-	-	-	-	-
Fibre - Newsprint/Paper	-	-	-	-	-	-
Fibre - OCC	-	-	-	-	-	-
Food/Putrescible Waste	-	-	-	-	-	-
Yard Waste	-	-	-	-	-	-
HHW	-	-	-	-	-	-
White Goods	-	-	-	-	-	-
Lost or Gained Mass	Combined Weight Following Sorting				-	
	-					

Notes: Area 8 sample was not collected due to imclement weather, and therefore was not assessed during the February 2025 Waste Audit.

ATTACHMENT 4
SUPPORTING DATA

Table 1: Total Compostable Waste Percentage Per Area (February 2025) ***Project # 22-8641***

Waste Collection Area	% Organics From February 19, 2025 Waste Audit	Average Based On Previous Three Fiscal Years (Tonnes)	Estimated Annual Compostable Waste (Tonnes)
1	10.75%	10014.25	1076.16
2	18.63%	6841.50	1274.81
3	13.01%	4433.34	576.97
4	16.69%	5334.37	890.04
5	13.27%	8637.86	1146.36
6	13.40%	5150.89	690.44
7	7.48%	2930.93	219.35
8	-	-	-
Condos	20.72%	2351.13	487.14
	TOTAL	45694.26	6361.28

Mean	14.24%	**-**	795.16
Min	7.48%	**-**	219.35
Max	20.72%	**-**	1274.81

Compostable Waste Percentage	(6361.28/45694.26)*100% = 13.92%

Notes:

1. Organic for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.
2. Area 8 sample was not collected in February 2025 due to inclement weather.

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CONSULTING

Table 2: Average Total Compostable Waste Percentage Per Area (May 2024, August 2024, November 2024, and February 2025) *Project # 22-8641*

Waste Collection Area	% Organics From May 15, 2024 Waste Audit	% Organics From August 28, 2024 Waste Audit	% Organics From November 13, 2024 Waste Audit	% Organics From February 19, 2025 Waste Audit	% Organics Average	Average Based On Previous Three Fiscal Years (Tonnes)	Estimated Annual Compostable Waste (Tonnes)
1	18.71%	7.32%	8.00%	10.75%	11.19%	10014.25	1120.98
2	9.95%	6.12%	7.04%	18.63%	10.44%	6841.50	714.08
3	18.36%	5.95%	12.95%	13.01%	12.57%	4433.34	557.20
4	6.51%	6.93%	9.53%	16.69%	9.91%	5334.37	528.75
5	11.78%	7.57%	7.02%	13.27%	9.91%	8637.86	855.94
6	11.26%	4.29%	8.38%	13.40%	9.33%	5150.89	480.79
7	8.91%	3.41%	10.78%	7.48%	7.65%	2930.93	224.08
8	11.76%	1.79%	25.61%	-	13.06%	3298.51	430.62
Condos	72.35%	15.00%	14.39%	20.72%	30.62%	2351.13	719.84
					TOTAL	48992.77	5632.28

Mean	12.74%	-	625.81
Min	7.65%	-	224.08
Max	30.62%	-	1120.98

Compostable Waste Percentage	(5632.28/48992.77)*100% = 11.50%

Notes:

1. % Organic for Area 1 based on average of the two samples (1A and 1B) collected during the May 2024 waste audit.
2. % Organic for Area 2 is based on average of the two samples (2A and 2B) collected during the August 2024 waste audit.
3. % Organic for Area 3 is based on average of the two samples (3A and 3B) collected during the November 2024 waste audit.
4. % Organic for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.
5. Area 8 sample was not collected in February 2025 due to inclement weather.

Table 3: Estimated Annual Compostable Waste Per Area *Project # 22-8641*

Audit	Waste Collection Area	% Organics	Average Waste Based On Previous Three Fiscal Years (Tonnes)	Estimated Annual Compostable Waste (Tonnes)
May 2024 Performance Audit	1	18.71%	10014.25	1873.54
	2	9.95%	6841.50	681.00
	3	18.36%	4433.34	813.99
	4	6.51%	5334.37	347.12
	5	11.78%	8637.86	1017.25
	6	11.26%	5150.89	579.86
	7	8.91%	2930.93	261.20
	8	11.76%	3298.51	388.06
	Condos	72.35%	2351.13	1701.11
August 2024 Performance Audit	1	7.32%	10014.25	733.07
	2	6.12%	6841.50	418.93
	3	5.95%	4433.34	263.60
	4	6.93%	5334.37	369.57
	5	7.57%	8637.86	653.68
	6	4.29%	5150.89	221.14
	7	3.41%	2930.93	99.95
	8	1.79%	3298.51	59.03
	Condos	15.00%	2351.13	352.67
November 2024 Performance Audit	1	8.00%	10014.25	801.14
	2	7.04%	6841.50	481.58
	3	12.95%	4433.34	574.22
	4	9.53%	5334.37	508.27
	5	7.02%	8637.86	606.49
	6	8.38%	5150.89	431.73
	7	10.78%	2930.93	315.83
	8	25.61%	3298.51	844.78
	Condos	14.39%	2351.13	338.42
February 2025 Performance Audit	1	10.75%	10014.25	1076.16
	2	18.63%	6841.50	1274.81
	3	13.01%	4433.34	576.97
	4	16.69%	5334.37	890.04
	5	13.27%	8637.86	1146.36
	6	13.40%	5150.89	690.44
	7	7.48%	2930.93	219.35
	8	-	-	-
	Condos	20.72%	2351.13	487.14
	Mean	12.28%	-	631.39
	Min	1.79%	-	59.03
	Max	72.35%	-	1873.54

Notes:
1. % Organic for Area 1 based on average of the two samples (1A and 1B) collected during the May 2024 waste audit.
2. % Organic for Area 2 is based on average of the two samples (2A and 2B) collected during the August 2024 waste audit.
3. % Organic for Area 3 is based on average of the two samples (3A and 3B) collected during the November 2024 waste audit.
4. % Organic for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.
5. Area 8 sample was not collected in February 2025 due to inclement weather.

Table 4: Compostable Waste Descriptive Statistics *Project 22-8641*

Mean	631.3859205
Standard Error	69.50923721
Median	574.2153243
Mode	#N/A
Standard Deviation	411.222193
Sample Variance	169103.692
Kurtosis	2.024837697
Skewness	1.341983811
Range	1814.517272
Minimum	59.02596842
Maximum	1873.54324
Sum	22098.50722
Count	35
Confidence Level(95.0%)	141.2597657
Upper Confidence Interval	772.6456861
Lower Confidence Interval	490.1261548

Table 5: Total Food Waste Percentage Per Area (February 2025) ***Project # 22-8641***

Waste Collection Area	% Food Waste From February 19, 2025 Waste Audit	Average Based On Previous Three Fiscal Years (Tonnes)	Estimated Annual Food Waste (Tonnes)
1	2.99%	10014.25	298.93
2	11.18%	6841.50	764.89
3	7.18%	4433.34	318.18
4	11.60%	5334.37	618.90
5	8.72%	8637.86	753.58
6	7.34%	5150.89	378.10
7	4.39%	2930.93	128.58
8	-	-	-
Condos	15.83%	2351.13	372.12
	TOTAL	45694.26	3633.29

Mean	8.65%	**-**	454.16
Min	2.99%	**-**	128.58
Max	15.83%	**-**	764.89

Food Waste Percentage	(3633.29/45694.26)*100% = 7.95%

Notes:

1. % Food waste for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.
2. Area 8 sample was not collected in February 2025 due to inclement weather.

Table 6: Average Total Food Waste Percentage Per Area(May 2024, August 2024, November 2024, and February 2025) *Project # 22-8641*

Waste Collection Area	% Food Waste From May 15, 2024 Waste Audit	% Food Waste From August 28, 2024 Waste Audit	% Food Waste From November 13, 2024 Waste Audit	% Food Waste From February 19, 2025 Waste Audit	% Food Waste Average	Average Based On Previous Three Fiscal Years (Tonnes)	Estimated Annual Food Waste (Tonnes)
1	6.70%	3.92%	1.94%	2.99%	3.89%	10014.25	389.23
2	5.53%	2.01%	5.47%	11.18%	6.05%	6841.50	413.84
3	9.51%	3.14%	7.37%	7.18%	6.80%	4433.34	301.33
4	3.44%	3.66%	3.87%	11.60%	5.64%	5334.37	301.06
5	5.48%	5.19%	2.87%	8.72%	5.57%	8637.86	480.87
6	6.59%	1.26%	4.48%	7.34%	4.92%	5150.89	253.23
7	4.77%	0.83%	5.43%	4.39%	3.85%	2930.93	112.95
8	6.35%	0.95%	17.01%	-	8.10%	3298.51	267.33
Condos	62.94%	4.43%	7.27%	15.83%	22.62%	2351.13	531.78
					TOTAL	48992.77	3051.63

Mean	7.49%	-	339.07
Min	3.85%	-	112.95
Max	22.62%	-	531.78

Food Waste Percentage	(3051.63/48992.77)*100% = 6.23%

Notes:

1. % Food waste for Area 1 based on average of the two samples (1A and 1B) collected during the May 2024 waste audit.
2. % Food waste for Area 2 is based on average of the two samples (2A and 2B) collected during the August 2024 waste audit.
3. % Food waste for Area 3 is based on average of the two samples (3A and 3B) collected during the November 2024 waste audit.
4. % Food waste for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.
5. Area 8 sample was not collected in February 2025 due to inclement weather.

Table 7: Estimated Annual Food Waste Per Area *Project # 22-8641*

Audit	Waste Collection Area	% Food Waste	Average Waste Based On Previous Three Fiscal Years (Tonnes)	Estimated Annual Compostable Waste (Tonnes)
May 2023 Performance Audit	1	6.70%	10014.25	670.72
	2	5.53%	6841.50	378.33
	3	9.51%	4433.34	421.53
	4	3.44%	5334.37	183.77
	5	5.48%	8637.86	473.55
	6	6.59%	5150.89	339.28
	7	4.77%	2930.93	139.71
	8	6.35%	3298.51	209.55
	Condos	62.94%	2351.13	1479.83
August 2024 Performance Audit	1	3.92%	10014.25	392.72
	2	2.01%	6841.50	137.58
	3	3.14%	4433.34	138.99
	4	3.66%	5334.37	195.24
	5	5.19%	8637.86	448.23
	6	1.26%	5150.89	64.72
	7	0.83%	2930.93	24.31
	8	0.95%	3298.51	31.25
	Condos	4.43%	2351.13	104.20
November 2024 Performance Audit	1	1.94%	10014.25	194.56
	2	5.47%	6841.50	374.56
	3	7.37%	4433.34	326.63
	4	3.87%	5334.37	206.33
	5	2.87%	8637.86	248.11
	6	4.48%	5150.89	230.83
	7	5.43%	2930.93	159.18
	8	17.01%	3298.51	561.19
	Condos	7.27%	2351.13	170.99
February 2025 Performance Audit	1	2.99%	10014.25	298.93
	2	11.18%	6841.50	764.89
	3	7.18%	4433.34	318.18
	4	11.60%	5334.37	618.90
	5	8.72%	8637.86	753.58
	6	7.34%	5150.89	378.10
	7	4.39%	2930.93	128.58
	8	-	-	-
	Condos	15.83%	2351.13	372.12
	Mean	7.48%	-	341.12
	Min	0.83%	-	24.31
	Max	62.94%	-	1479.83

Notes:
1. % Food waste for Area 1 based on average of the two samples (1A and 1B) collected during the May 2024 waste audit.
2. % Food waste for Area 2 is based on average of the two samples (2A and 2B) collected during the August 2024 waste audit.
3. % Food waste for Area 3 is based on average of the two samples (3A and 3B) collected during the November 2024 waste audit.
4. % Food waste for Area 5 is based on average of the two samples (5A and 5B) collected during the February 2025 waste audit.
5. Area 8 sample was not collected in February 2025 due to inclement weather.

Table 8: Food Waste Descriptive Statistics ***Project 22-8641***

Mean	341.1201108
Standard Error	46.8223949
Median	298.9329353
Mode	#N/A
Standard Deviation	277.0050239
Sample Variance	76731.78324
Kurtosis	7.461227497
Skewness	2.255108555
Range	1455.517048
Minimum	24.3118341
Maximum	1479.828882
Sum	11939.20388
Count	35
Confidence Level(95.0%)	95.15455495
Upper Confidence Interval	436.2746657
Lower Confidence Interval	245.9655558