



CIF FINAL REPORT

PUBLIC SPACE RECYCLING

CIF PROJECT 638.13

TOWNSHIP OF KILLALOE, HAGARTY AND RICHARDS

COUNTY OF RENFREW, ONTARIO

Prepared for:

WASTE DIVERSION ONTARIO

CONTINUOUS IMPROVEMENT FUND OFFICE

Prepared with assistance from

Continuous Improvement Fund and Waste Diversion Ontario



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ACKNOWLEDGEMENT

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EXECUTIVE SUMMARY

The Township of Killaloe, Hagarty and Richards is a small, rural municipality located in western Renfrew County, in eastern Ontario. In early 2009, the Township of Killaloe, Hagarty and Richards initiated a long-term, Municipal Solid Waste Management Strategic Plan in order to best manage waste generated within the municipality in an economically-feasible and environmentally-responsible manner. From initial public consultation events, the municipality and ratepayers identified that reducing the amount of residual waste requiring management was one of the key planning aspects of the project.

With consideration of the significant seasonal population to the Township of Killaloe, Hagarty and Richards and the frequent use of public spaces by ratepayers and tourists, and the associated waste management that is required, the Township of Killaloe, Hagarty and Richards implemented a public space Blue Box recycling program in order to capture Blue Box materials utilized in public spaces and also to provide consistent waste management opportunities throughout the municipality. The public space Blue Box recycling program was made possible with assistance of the Continuous Improvement Fund Project 638.13.

The initial goal of the Township of Killaloe, Hagarty, and Richards was to initiate the public space recycling program within the municipality in the summer of 2011; however, due to the delivery date of the containers in fall 2011, the containers were not placed in the respective public spaces until the spring of 2012.

A total of six (6) public space Blue Box recycling containers were purchased and placed throughout the Township of Killaloe, Hagarty and Richards as part of Phase 1 of the project in 2012, which were located in the most frequented public spaces. On February 4, 2014, Township Council approved the utilization of the remaining funds for CIF Project 638.13 for Phase 2 of the project, and four (4) pairs of public space Blue Box recycling containers (mixed fibres and mixed containers) were purchased. Image and text-based decals were prepared by the Township for the Phase 2 public space containers, consistent with the Township's recycling-related signage at municipal transfer stations. The four (4) pairs of public space Blue Box recycling containers were placed at specific municipal locations in August 2014.

The difference in pre and post public space Blue Box recycling program implementation with respect to the municipality's diversion of Blue Box recyclables was minimal due to the small scale of the program within the rural municipality; however, municipal operations staff observed a dramatic improvement in litter in public spaces, particularly Blue Box recyclable materials, as a result of the public space Blue Box recycling program.

Overall, the Township of Killaloe, Hagarty, and Richards considers the public space Blue Box recycling program to be an effective and efficient program, which promotes increased public participation in its waste

diversion initiatives.

In the event that another small, rural Ontario municipality were to proceed with a similar project, the Township of Killaloe, Hagarty, and Richards recommends the following for consideration:

1. Ensure that adequate promotion and education materials are released to the public prior to project initiation, in order to advise municipal ratepayers and tourists as to the objectives of the project and proper use of the public space Blue Box recycling containers.
2. Prepare and install signage at each location directing users as to appropriate use of the public space Blue Box recycling containers. Image and text-based signage is recommended.
3. Time the project such that installation of the public space Blue Box recycling containers would be conducted in spring, so as to benefit from better weather conditions for installation and to maximize the impact of the project at the time when the most seasonal ratepayers return to the municipality for the summer months.
4. Promote similar installations with commercial operations (i.e. restaurants, etc.) within the municipality, to help to divert additional Blue Box recyclables from the commercial sector.

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1.0 INTRODUCTION

1.1 INTRODUCTION

The Township of Killaloe, Hagarty and Richards (Township) is a small, rural municipality located in western Renfrew County (Figure 1). In early 2009, the Township initiated a long-term, Municipal Solid Waste Management Strategic Plan (MSWMSP) in order to best manage waste generated within the Township in an economically-feasible and environmentally-responsible manner. From initial public consultation events, the Township and ratepayers identified that reducing the amount of residual waste requiring management was one of the key planning aspects of the project.

Despite the economic benefits of tourism to the area, transient waste generation is considerable, in particular in local parks and public spaces owned and/or managed by the municipality. Accordingly, to reduce litter and vector issues associated with improperly contained waste in public spaces, the Township established easily-identifiable, well-signed, and dedicated Blue Box recycling containers at Township public spaces to not only enhance the quality of the local site, but also to indicate to public space users the importance of waste diversion for the Township. The Township implemented the project in two (2) phases: Phase 1 (2012) and Phase 2 (2014).

Greenview Environmental Management Limited (Greenview) was retained by the Township to assist in the establishment of a public space Blue Box recycling program within the Township in accordance Waste Diversion Ontario's (WDO) Continuous Improvement Fund (CIF). In addition, Greenview has prepared this revised CIF Final Report, on behalf of the Township, in order to detail the Township's public space recycling project, the key findings, and lessons learned throughout the project.

2.0 BACKGROUND

The following sections present a summary of the Township with respect to population and households, waste management options, performance, and challenges.

2.1 COMMUNITY PROFILE

As noted in Section 1.1, the Township is a small, rural municipality located in western Renfrew County (Figure 1). Ratepayers and tourists alike are attracted to the area for its lakes and forests, while tourism and logging are understood as the primary industries in the Township. Notable features within and near the Township include, but are not limited to, Bonnechere Provincial Park, Round Lake, and Golden Lake.

With respect to Phase 1 of the project, and based on the Township's 2012 WDO Datacall submission, the following table represents population and household data relevant to this report.

Table 1: Population and Household Data - Township of Killaloe, Hagarty and Richards (2012)

Municipality	Population	Total Households	Single Family Households	Multi-Family Households	Seasonal Households (included in Total Households)
Township of Killaloe, Hagarty and Richards	2,402	1,646	1,645	1	480

With respect to Phase 2 of the project, and based on the Township's 2014 WDO Datacall submission, the following table represents population and household data relevant to this report.

Table 2: Population and Household Data - Township of Killaloe, Hagarty and Richards (2014)

Municipality	Population	Total Households	Single Family Households	Multi-Family Households	Seasonal Households (included in Total Households)
Township of Killaloe, Hagarty and Richards	2,279	1,655	1,654	1	480

In addition to the seasonal dwellings, the tourist population significantly increases the overall population, particularly in the summer months. Based on the increase in transient population, in conjunction with the permanent Township population and associated participation in the Township's Municipal Solid Waste

Management Strategic Plan (MSWMSP), the Township recognized the potential for increased Blue Box recycling, specifically in regularly populated public spaces.

2.2 WASTE MANAGEMENT SYSTEM

In 2009, the Township initiated a MSWMSP with the objective of developing a long-range, economically-feasible and environmentally responsible solution for managing solid waste generated within the municipality.

Maximizing diversion was, and still remains, the Township's commitment as its primary directive in the MSWMSP. As part of the development of the MSWMSP, the Township expanded the diversion options available to its ratepayers. As of the end of 2014, ratepayers of the Township had the following diversion options available at the two (2) municipal waste disposal site transfer stations:

1. Killaloe Waste Disposal Site:

- a. Blue Box recyclables (mixed containers, mixed fibres, and old corrugated cardboard [OCC]).
- b. Source-separated organics (SSO).
- c. Scrap metal and white goods.
- d. Refrigerants.
- e. Waste Tires.
- f. Waste electrical and electronic equipment (WEEE).
- g. Automotive batteries.
- h. Automotive plastics (i.e. oil and antifreeze containers).
- i. Single-use batteries.
- j. Re-use centre.

2. Round Lake Waste Disposal Site:

- a. Blue Box recyclables (mixed containers and mixed fibres only).
- b. Source-separated organics (SSO).

2.3 CURRENT WASTE MANAGEMENT PERFORMANCE

Based on the Township's WDO Datacalls from 2011 to 2014, Table 3 provides a summary of net residential marketed tonnes of Blue Box recycling, total residential garbage tonnes, and the related Generally Accepted Principles (GAP) Residential Diversion Rates:

Table 3: Waste Management Performance Summary (2011 to 2014)

Year	Total Residential Blue Box Recycling Tonnes (Net Residential Marketed)	Total Residential Diversion Tonnes	Total Residential Garbage Tonnes	GAP Diversion Rate
2014	157.69	294.75	331.41	47%
2013	179.48	313.67	334.43	48%
2012	155.39	276.42	463.33	37%
2011	155.11	254.82	433.73	37%

* Note: Reported tonnages for residential only.

2.4 PROGRAM CHALLENGES

Considering the above-noted diversion elements of the Township's waste management operations and achievements resulting from implementation of the many diversion strategies, public space recycling remained a challenge within the Township. The Township recognized that the addition of public space recycling would contribute to the MSWMSP strategic goals and objectives, particularly with consideration of tourism in the area, and the associated waste generated specifically in local parks and public spaces owned and/or managed by the municipality. In addition, Township staff noted that by providing a public space Blue Box recycling program, the Township's waste management operations with respect to Blue Box recyclables would be consistent whether at home or in a public space. Former Township Councillor Cybulski suggested to and discussed with Council that public space Blue Box recycling was a necessary addition to the Township's existing waste management operations.

On March 8, 2011, the Township Council passed Resolution #7, which approved the Township's participation in a CIF Project for public space recycling containers, to be used for the diversion of Blue Box recyclables (Phase 1; Appendix A). On February 4, 2014, Township Council approved the use of remaining funds available for CIF Project 638.13 to purchase additional public space Blue Box recycling units as part of Phase 2 of the project.

3.0 PROJECT APPROACH

As part of the Township's MSWMSP, the Township evaluated waste diversion alternatives which contribute to a long-range, economically-feasible and environmentally responsible solution for managing solid waste generated within the municipality. With consideration of the influx in seasonal population to the Township and the frequent use of public spaces by Township residents and the associated waste management required, the Township proceeded with the submission of a Request for Expressions of Interest (REOI) for CIF Funding for Priority Projects (March, 2011). Further to the submission of the REOI, the Township received CIF support and approval for funding in correspondence dated July 5, 2011 (Appendix A).

As such, this section describes the actions taken at each step of the public space Blue Box recycling project.

3.1 SET-UP AND IMPLEMENTATION

Further to Council agreement on the addition of public space Blue Box recycling containers, several discussions were undertaken at Council meetings and Waste Management Committee meetings with respect to the proposed locations, proposed number of containers, and proposed container type, etcetera.

3.2 DESCRIPTION OF PHASE 1 OF THE PROJECT (2012)

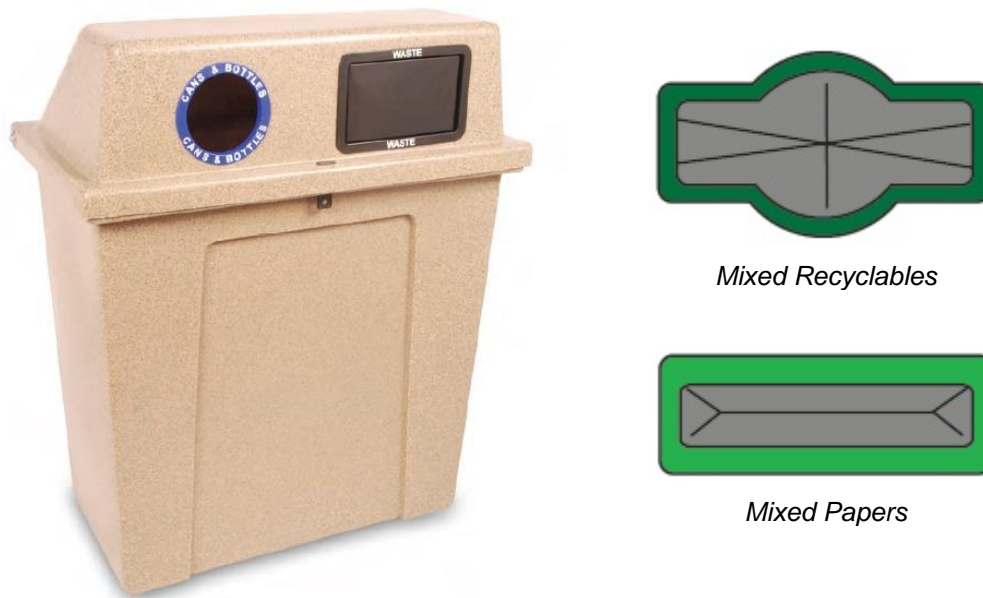
Locations for the placement of public space recycling containers within the Township were discussed in Township Council and six (6) locations were agreed upon based on consistent pedestrian traffic volume for permanent and seasonal ratepayers and/or tourists. The locations were as follows:

- Killaloe Rink (used for recreational activities year-round).
- Round Lake Rink (used for recreational activities year-round).
- Round Lake Public Dock.
- Station Park.
- Sheryl Boyle Park.
- Local Tourist Information Booth.

Concurrent with the definition of public space recycling Blue Box container placement, several manufacturers were contacted for public space container designs and price estimates. It was a pre-requisite for the Township's project that the containers be durable, outdoor (weather-resistant), four-season containers. Further to reviewing manufacturer container options, container durability, and pricing, the Township placed an order for six (6) public space recycling containers made from High Density Polyethylene

(HDPE) construction. Each container included two (2) openings for Blue Box recyclables; one (1) for mixed recyclables and one (1) for mixed paper.

Ultimately, the Township decided on the Super Sorter 2-in-1 from Busch Systems (Appendix A). Note the following example of the Super Sorter 2-in-1, and the openings designed for the units:



All public space recycling containers were placed in visible, easily accessible locations.

3.3 DESCRIPTION OF PHASE 2 OF THE PROJECT (2014)

In 2014, and following discussions with CIF, the Township decided to implement Phase 2 of the project in order to utilize remaining funds available for CIF Project 638.13.

Locations for the placement of additional public space recycling containers within the Township were discussed and four (4) locations were agreed upon based on consistent pedestrian traffic volume for permanent and seasonal ratepayers and/or tourists. The locations were as follows:

- Killaloe Rink (used for recreational activities year-round).
- Round Lake Rink (used for recreational activities year-round).
- Round Lake Public Dock.
- Sheryl Boyle Park.

Concurrent with Phase 1 of the project, several manufacturers were contacted for public space container designs and price estimates. As part of Phase 2 of the project, the Township wanted to review options for public space recycling that were different from the containers purchased in Phase 1.

After considerable review and discussions with CIF, the Township decided on the Recycle42 Stonetec from RTS Companies Inc. (Appendix A). In contrast to the units purchased in Phase 1 of the project, the Recycle42 Stonetec units were purchased in order to be “pairs”, with one (1) unit for mixed fibres and one (1) unit for mixed containers. Additionally, the Township purchased recycling decals for the Phase 2 units that were consistent with the image and text-based signage put in place the municipality’s waste and recycling transfer stations in 2013. Note the following example of the Recycle42 Stonetec unit that were purchased as part of Phase 2, and the recycling and municipal decals purchased for affixing to the units in order to direct users to the appropriate receptacle:



As part of Phase 2 of the project, the order was submitted on July 17, 2014 and was received by the Township on August 5, 2014. All public space recycling containers were placed in visible, easily accessible locations on August 22, 2014.

3.4 SET-UP AND IMPLEMENTATION CHALLENGES

The initial goal of the Township was to initiate Phase 1 of the public space recycling program within the

Municipality in the summer of 2011; however, due to the delivery date of the containers being fall 2011, the containers were not placed in the respective public spaces until the spring of 2012. Similarly, the containers purchased as part of Phase 2 of the project were implemented in late August 2014

The Township experienced only minor issues with their public space Blue Box recycling program. During Phase 1 of the project, some municipal garbage was disposed with the mixed containers and mixed paper sections of the public space Blue Box recycling containers; however, this was anticipated by Township Council. In order to address this issue, Township staff ensured that proper signage was in place for the recycling containers, and a garbage container was in close proximity for the disposal of non-recyclable items. Additionally, Township staff observed that if the public space recycling containers became too full, then the disposal of non-recyclable material increased in the containers. As such, Township staff ensured vigilance with respect to emptying the containers on a regular basis.

During Phase 2 of the project, similar issues with respect to contamination were observed by Township operations staff as part of waste auditing initiatives. A summary of the Phase 2 waste auditing initiatives completed by the Township is included in Section 4.3 of this report.

4.0 PROJECT RESULTS AND ANALYSIS

The public space recycling program within the Township was and continues to be a success. The following sections detail the results as related to the public space Blue Box recycling aspect of the Township's MSWMSP.

4.1 PROJECT RESULTS

The Township's public space Blue Box recycling program continues to be an effective and efficient program as it provides the public the opportunity to continue their waste diversion practices while in public spaces. Additionally, the public space recycling program was familiar to most participants as public space Blue Box recycling is consistent with home-based recycling, and public space recycling containers are common in other locations outside of the Township.

4.2 ANALYSIS OF RESULTS – PHASE 1 OF PROJECT

This initiative, along with other modifications to the Township's waste management operations, is understood to have increased public participation and perception of the Blue Box recyclable diversion program within the Township.

As noted in Section 3.4, the Township must ensure a regular schedule for emptying the containers in order to avoid the improper disposal of non-recyclable waste in the public space containers.

As this public space Blue Box recycling program was new to the Township when instituted in 2012, there were no changes to the operational efficiencies of the program compared with previous operations.

Based on the Township's 2011 and 2012 WDO Datacall submissions, Table 4 provides a summary of the Net Residential Marketed Tonnes of Blue Box recyclables diverted from the waste stream pre and post program implementation of Phase 1 of the project.

Table 4: Pre and Post-Implementation Net Residential Marketed Tonnes – Phase 1

Net Residential Marketed Tonnes – Blue Box Recyclables		Year-to-Year Change (in tonnes)
Pre-Implementation	Post-Implementation	
2011	2012	
155.11	155.39	0.28 tonnes

Note: Blue Box Net Residential Marketed Tonnes includes Curbside and Depot Tonnages. Total Residential Marketed Tonnes estimated to be 10% of Total Residential Collected Tonnes.

As noted above, the difference in pre and post public space Blue Box recycling program implementation

during Phase 1 with respect to the Township's diversion of Blue Box recyclables was minimal due to the small scale of the program within the rural municipality (only 6 public space recycling containers); however, Township staff observed a dramatic improvement in litter reduction in public spaces, particularly Blue Box recyclable materials, as a result of the public space Blue Box recycling program.

4.3 ANALYSIS OF RESULTS – PHASE 2 OF PROJECT

As part of Phase 2 of the project, the Township initiated a waste audit review of public space recycling containers in the Township. During the waste audit review, the Township also audited stand-alone garbage containers that were in place within the Township. A copy of the *Public Space Waste and Recycling Auditing* sheet template, prepared by the Township with assistance of CIF, is included in Appendix B of this report. *Public Space Waste and Recycling Auditing* sheets completed by Township operations staff at select locations during the waste auditing activities are included in this report in Appendix C.

Based on the data collected by the Township as part of select waste and recycling auditing activities of public space garbage and Blue Box recycling (mixed fibres and mixed containers) receptacles in summer and fall 2014, the range of contamination percentages were as follows (Appendix C):

Table 5: Waste Audit Contamination Percentages (%)

Waste or Recycling Receptacle	Contamination Percentage (%)				Contamination Material
	Range		Median	Mean	
	Minimum	Maximum			
Garbage	0%	20%	5.0%	5.7%	Mixed Fibres and Mixed Containers
Blue Box (Mixed Fibres)	0%	20%	2.5%	6.3%	Garbage
Blue Box (Mixed Containers)	0%	10%	0.0%	4.0%	Garbage and Mixed Fibres

The range of contamination percentages recorded by Township operations staff during select waste auditing activities were not unexpected, given that all public space waste and recycling containers were located in unsupervised public locations. However, since median and mean percentage values of contamination were calculated to be less than ten (10) percent, the public space recycling project initiated by the Township was deemed to be a success.

Based on the Township's 2013 and 2014 WDO Datacall submissions, Table 6 provides a summary of the

Net Residential Marketed Tonnes of Blue Box recyclables diverted from the waste stream pre and post program implementation of Phase 2 of the project. The decrease in Net Residential Marketed Tonnes from 2013 to 2014 was not interpreted to be related to the public space recycling program within the Township. Based on a detailed review of Blue Box tonnages from 2013 and 2014, the decrease in Net Residential Marketed Tonnes was related to a significant decrease in mixed fibres tonnes collected as part of the Township's Blue Box recycling program (curbside and depot collection).

Table 6: Pre and Post-Implementation Net Residential Marketed Tonnes – Phase 2

Net Residential Marketed Tonnes – Blue Box Recyclables		Year-to-Year Change (in tonnes)
Pre-Implementation	Post-Implementation	
2013	2014	
179.48	157.69	-21.79 tonnes

Note: Blue Box Net Residential Marketed Tonnes includes Curbside and Depot Tonnages. Total Residential Marketed Tonnes in 2014 and 2013 were 95.72% and 99.97%, respectively, of Total Residential Collected Tonnes, per residual percentages provided to the Township from their Blue Box recycling service provider.

4.4 LESSONS LEARNED

If the Township were to initiate a public space Blue Box recycling program again, the Township would endeavour to finalize the order and delivery date of any public space recycling receptacles such that the new units could be operational at their desired locations prior to the summer months and the anticipated influx of seasonal residents and tourist traffic.

5.0 PROJECT BUDGET

The only delay experienced by the Township regarding their public space Blue Box recycling program was with respect to the project schedule. As noted in Section 3.4, the containers for Phase 1 and 2 of the project did not arrive in time for summer set-up and implementation. As such, the Phase 1 program was not initiated until the following spring in 2012, while Phase 2 of the program was not initiated until late August 2014.

Otherwise, the Township's total cost for the public space Blue Box recycling program was generally consistent with the total projected cost, with due consideration that Phase 2 of the project was initiated in the latter stages of the project timeline in order to utilize remaining funds available for the project.

In order to maintain consistency with the Township's Blue Box recycling program, and related image and text-based site signage in place at the Township's waste transfer sites as of 2013, the Township incurred additional costs with respect to the purchase of additional decals for the public space recycling containers purchased as part of Phase 2 of the project.

Invoices for public space recycling receptacles, and related decals, for Phase 1 and Phase 2 of the project are included in this report in Appendix A.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The Township is confident that by implementing a public space Blue Box recycling program within the Township, it has encouraged visitors and residents alike to participate in the established Blue Box recycling program while in public spaces.

As only six (6) public space Blue Box recycling containers were purchased by the Township with assistance of CIF in Phase 1, and four (4) pairs were purchased in Phase 2, the total quantities of Blue Box recyclables diverted on an annual basis were deemed not to be significant in comparison to the total quantities of Blue Box recyclables diverted through curbside collection activities and diversion operations at the Township's Round Lake and Killaloe Waste Disposal Sites. However, the value of the new public space Blue Box recycling containers from a promotion and education perspective was deemed to be significant. As noted in section 4.2 of this report, the Township operations staff noted a considerable improvement in litter reduction at the Township sites where the containers were placed. It is the Township's position that by giving its ratepayers and tourists visiting the Township's public spaces the opportunity to make appropriate and advised choices on waste management when away from their homes, the benefits to the Township from a social and environmental perspective are anticipated to continue to improve the standard of living for everyone.

In the event that another small, rural Ontario municipality were to undertake a similar project, the Township recommends the following for consideration:

1. Ensure that adequate promotion and education materials are released to the public prior to project initiation, in order to advise Township ratepayers and tourists as to the objectives of the project and proper use of the public space Blue Box recycling containers.
2. Prepare and install signage at each location directing users as to appropriate use of the public space Blue Box recycling containers. Text and image-based signage is recommended.
3. Time the project such that installation of the public space Blue Box recycling containers would be conducted in spring, so as to benefit from better weather conditions for installation and to maximize the impact of the project at the time when the most seasonal ratepayers return to the Township for the summer months.
4. Promote similar installations with commercial operations (i.e. restaurants, etc.) within the municipality, to help to divert additional Blue Box recyclables from the commercial sector.

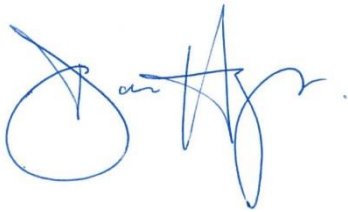
7.0 CLOSING

Greenview has prepared this revised *CIF Final Report* in accordance with the CIF Final Report Template for the Township of Killaloe, Hagarty and Richards, to document the results of the public space Blue Box recycling program conducted from 2011 to 2014.

This report is governed by the attached statement of service conditions and limitations (Appendix D).

Respectfully submitted by,

GREENVIEW ENVIRONMENTAL MANAGEMENT LIMITED



Dan Hagan, B.Sc.

Project Manager

8.0 SELECTED REFERENCES

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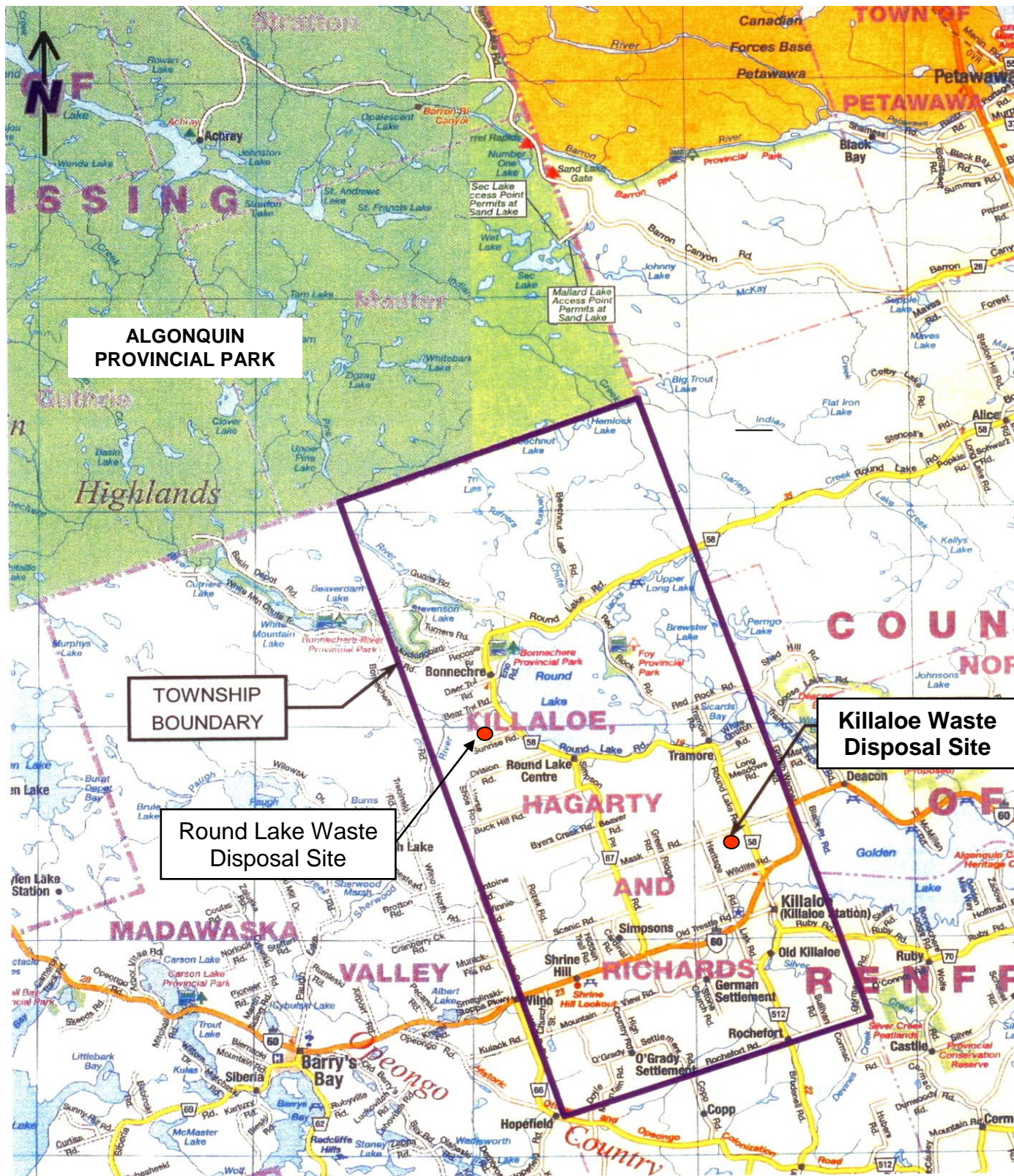
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FIGURES



APPENDIX A

CORRESPONDENCE

RESOLUTION

Date March 8/11		Name of Organization		Resolution Number 7
Moved by: Emile Cybulski		Seconded by: Ed McLaughlin		
Motion that council gives approval for \$5000 (50%) towards a C/F funding application for \$10,000 for busch systems public space recycling bins.				
CARRIED				



July 5, 2011

Lorna Hudder
CAO/Clerk-Treasurer
Township of Killaloe, Hagarty and Richards
1 John St., P O Box 39
Killaloe, ON K0J 2A0

Dear Lorna,

Re: Continuous Improvement Fund Project Approval, Project #638.13 (Best Practices)
Open Space Recycling

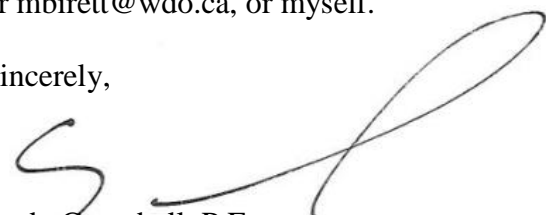
This is to inform you that your application to the Continuous Improvement Fund (CIF) for support in implementing an Open Space Recycling program has received approval for funding.

The project has been granted 42% of the blue box related project costs up to a maximum of \$5,088, including all taxes, in funding from the Continuous Improvement Fund.

Mike Birett is the Project Manager responsible for this project. In order to receive payment, CIF will require a short written report including performance, impact and learnings and evidence of compliance with WDO's 'Better Practices Review for Open Space Recycling' (attached). This report is to be accompanied by an invoice from the Township specifying the Project number; amount requested up to the maximum dollar amount granted by CIF and must include proof of project related expenditures (e.g., copies of invoices, purchase orders, timesheets, photos of purchases) equal to, or greater than, the percentage funded.

If you have any questions in regards to this project, please feel free to contact Mike Birett, 905.936.5661 or mbirett@wdo.ca, or myself.

Sincerely,



Andy Campbell, P.Eng.
Director, CIF

c: Mike Birett, Manager, CIF
Executive Director, Waste Diversion Ontario
Frank Daniel, Controller, Stewardship Ontario





The Two-in-One Super Sorter



The Super Sorter Two-In-One's small convenient size makes it perfect for an indoor or outdoor area where space is limited. The Two-In-One is attractive, durable and low maintenance and is suited for centralized recycling or waste collection. Clearly marked openings make sure recyclables end up in the right place. Available in various colors and with multiple opening options.

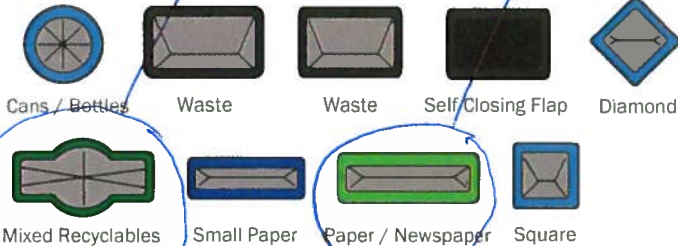
Features:

- Designed for public areas.
- Will not rust or dent.
- Complete with 2 X 30 gallon liners
- Optional advertising signage can generate revenue
- Available with soft or hard ground mounting kits



MADE WITH A MINIMUM
35% RECYCLED CONTENT

Openings:



Snug fitting liners keep materials from falling into the bottom reducing smell and pests



Three other size options available

Specifications:

- Capacity: 60 Gallons
- Weight: 65 lbs
- Dimensions: 37"L x 23"W x 45"H

Accessories:

- Hard & Soft ground anchor kits available
- Optional wheels
- Signage

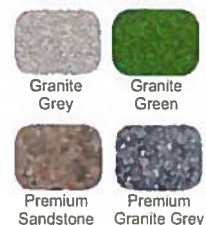
Shipping:

- 2 per skid
- Skid Weight: 130 lbs.
- Skid Dimensions: 48" L x 48"W x 52" H

Stamping for Openings:

- Plate charge: \$95 one time

Stock Colors:



BUSCH SYSTEMS INTERNATIONAL INC. www.buschsystems.com

Toll Free: 1-800-565-9931 | Tel: 705-722-0806 | Fax: 705-722-8972 | 343 Saunders Road, Barrie, Ontario, Canada L4N 9A3

BUSCH SYSTEMS INT'L INC.

343 SAUNDERS ROAD

BARRIE

ON L4N 9A3

Phone: (705) 722-0806 Ext. Fax: (705) 722-8972

busch@buschsystems.com

www.buschsystems.com

RECEIVED

OCT 17 2011

INVOICE 0000115197

NUMBER

CUSTOMER NO. TOWKIL

BILL TO:

TOWNSHIP OF KILLALOE, HAGARTY AND RICHARDS

PO BOX 39

KILLALOE ON K0J 2A0

SHIP TO:

TOWNSHIP OF KILLALOE, HAGARTY AND F

PUBLIC WORKS YARD

16370 HIGHWAY 60

KILLALOE ON K0J 2A0

LORNA HUDDER

(613) 757-2300 Ext.

LORNA HUDDER

(613) 757-2300 Ext.

DATE	SHIP VIA	F.O.B.	TERMS			
Oct 06, 2011	CRALER	YOUR DOCK	NET 30 DAYS			
PURCHASE ORDER NUMBER		ORDER DATE	SALESPERSON			OUR ORDER NUMBER
		30-Sep-11	NICK STOCKI			0000114991
ITEM NO. / DESCRIPTION		QUANTITY			UNIT PRICE	EXTENDED PRICE
		REQ.	SHIPPED	B.O.		
SS-TWOINONE-05	TWO IN ONE - BASIC BLUE	6	6		695.00	4,170.00
SS-10.5X5-CIRREC-02	MIXED RECYCLABLES (10.5" X 5") - PEPSI BLUE STAMPED: "MIXED" TOP, "RECYCLABLES" BOTTOM	6	6			N/C
SS-3X13-RECT-02	SM RECTANGLE (3"X13") - PEPSI BLUE STAMPED: "MIXED PAPER" TOP AND BOTTOM	6	6			N/C
SS-INSERT-23	RIGID INSERT FOR SUPER SORTERS (1-IN-1, 2-IN-1 & 3-IN-1) - BLACK	12	12			N/C
SS-DAGGER-23	DAGGER LOCK (65 G) FOR SUPER SORTER - BLACK BINS OPEN FROM THE BACK, HINGE ON FRONT DRAIN HOLES	6	6			N/C
<div><div>Township of Killaloe Hagarty and Richards General 1 - 4 - 4050 - 5237</div><div>Post to _____ Description _____</div><div>Approved for payment _____</div></div>						
TERMS - No product is to be returned without our written authorization - Goods returned must be shipped prepaid and are subject to a restocking charge - 2% per month service charge on overdue accounts			CANADIAN DOLLARS NET AMOUNT			4,170.00
			FREIGHT HSTON			500.00 607.10
GST Number 895247856 RT			TOTAL DUE			\$5,277.10

38-GALLON STONETEC®

- Panels attach to our durable 38-gallon waste containers for additional stability
- Waste container holds trash bag in place for a neat appearance with patented Grab Bag™ system
- Panels ship inside container; some assembly required
- Size: 30"H x 18.5" Sq.
- Weight: 58 lbs.



Grab Bag Detail

DOME LID

- Size: 38"H x 18.5" Sq.
- Weight: 64 lbs.



DOME LID ASHTRAY

- Size: 38"H x 18.5" Sq.
- Weight: 65 lbs.



Open Lid Detail

Gray with Ashtone 720311	Black with PepperStone 720313	Beige with RiverStone 720315	Beige with Sedona 720316
72041199	72041399	72041599	72041699
72051199	72051399	72051599	72051699

38 Gallon

With Dome Lid

With Ashtray Lid

STONETEC®

ATTRACTIVE

- The look of beautiful architectural stone with a smooth surface; creates an upscale look

SUPERIOR STRENGTH

- Created from a fiberglass-reinforced polymer concrete; won't dent, chip or rust

EXTREME DURABILITY

- Able to withstand the harshest environments for long-lasting service; won't discolor or fade

EASY MAINTENANCE

- Simply clean with soap and water; trash removal is a snap



50-GALLON STONETEC®

- Attractive and sturdy 160-lb. waste container
- Removable heavy-duty plastic liner with molded-in handles
- Lid stays secured to base with cable; simply remove lid and pull out liner
- Size: 33.25"H x 25.5" Dia.
- Weight: 160 lbs.

Ashtone 720917	Aspen 720918	PepperStone 720919	RiverStone 720920	Sedona 720921
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RECYCLE38 STONETEC

- Create an upscale recycling center with StoneTec panels
- Includes decals to customize your recycling center
- Size: 38"H x 18.5" Sq.
- Weight: 64 lbs.



Blue with Ashtone 72233099	Black with PepperStone 72233199	Beige with RiverStone 72233199
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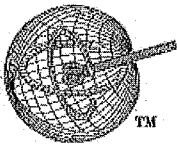
STONETEC PLANTER

- Complements StoneTec waste container line for a uniform look
- Indoor/outdoor use; predrilled drainage holes ensure proper drainage for outdoor use; includes plugs for indoor use
- Size: 18"H x 19" Sq.
- Weight: 61 lbs.

Ashtone 724017	Aspen 724018	PepperStone 724019	RiverStone 724020	Sedona 720921
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COMMERCIAL ZONE®

PRODUCTS



RTS
COMPANIES INC.
An ISO Registered Company

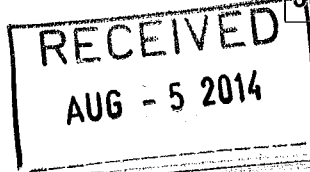
Canada-Remit to:
1027 Industrial Place,
St-Clements, Ontario N0B 2M0

Tel: 519-699-0022
1-800-663-2803
Fax: 519-699-0027
G.S.T. No. 88877 3124 RT0001

U.S.-Remit to:
P.O. Box 75599
Cleveland, Ohio
44101-4755

INVOICE

Invoice Date	Invoice No.	Page
Jul 30 2014	98857	1



S
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T
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TOWNSHIP OF KILLALOE, HAGARTY
1 JOHN ST.
BOX 39
KILLALOE, ON
CA
K0J 2A0

S
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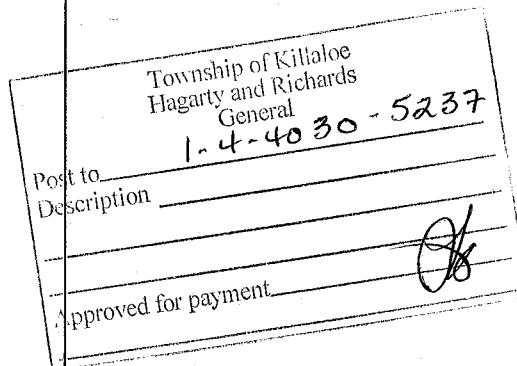
T
O

PUBLIC WORKS DEPT
TOWNSHIP OF KILLALOE, HAGARTY,
16370 HIGHWAY 60
TOWNSHIP OF KILLALOE, HAGARTY,
RICHARDS, ON
K0J 2A0

REF:

Order No.	Order Date	Cust. No.	SP	PO No.	Ship Via	Ship Date	Terms
81789	Jul 17 2014	TOW048	17	2014-234-1	viTRAN PPCH	Jul 30 2014	NET 30 DAYS

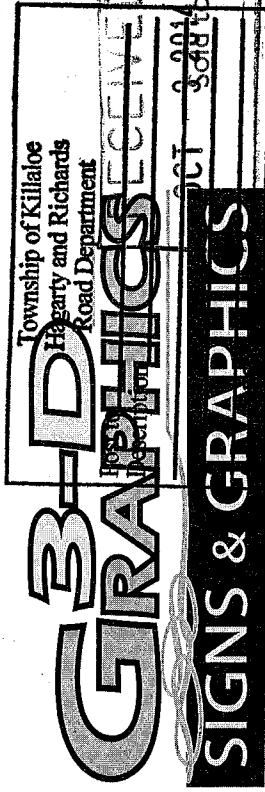
Qty Order	Qty Ship	Qty B/O	Item No.	Description	Unit Price	Extended Price
8	8	0	5579-000700-31-00	STONETEC RECYCLE42 W/ASHTONE BL/WH DECAL THIS CAN SHIP ASAP CDN. PRE-PAID FRT. RETAIL	568.39	4,547.12 \$408.00



COMMENTS:
SHIPPED 7-30-14 B/L #78148409
COMPLETE

Standard RTS Companies Inc Terms & Conditions Apply
PLEASE REMIT PAYMENT TO RTS COMPANIES INC.

Subtotal	CAD\$	\$4,547.12
GST/HST		\$644.17
Discount		\$0.00
TOTAL	CAD\$	5,599.29



2087 Mountain View Road, RR4
Killaloe, ON K0J 2A0 • 613.757.2376
3dgraphics.signs@gmail.com GST 840082952RT

Invoice Number: 1827

Date: SEPT 19 2014

To: Twp of Killaloe, Hagarthy
& Richards.

Killaloe ON

90 Clifford

QTY	Description	Per Unit Cost	Total
8	Supply (16) 7'x7" Decals (16) 10"x10" Decals & (16) Sets of White Vinyl Lettering for Trash Bins (8) (Mixed Fibers/Mixed Containers)	@ 49.50 per 1-4-4030.5237. RECYCLING BINS. WASTE	\$396.00 +
1	Apply Decals To (8) Trash Bins		\$60.00
2	12"x18" Aluminum Signs (PARKING ONLY) (1-4-3001 to 2025 Description)	\$35.00	\$70.00 + 71.0
SUBTOTAL			\$526.00 456.0
H.S.T.			\$68.38 591.8
TOTAL			\$594.38 515.38

*Due to the custom nature of our product we require a 50% deposit of the total amount upon order confirmation. Upon completion of the order we require the remaining 50% of the amount. We thank you for your cooperation in this matter.



MIXED CONTAINERS

Plastics (#1 To #7) Milk & Juice Cartons Aluminum Foil & Plates
 Food & Drink Cans Clear & Coloured Glass Empty Paint & Aerosol Cans
 Tetra Pak Cartons Polystyrene & Styrofoam Plastic Bottles, Jugs, Film, Tubs & Lids
 Not Accepted: Liquor, Wine, Or Beer Bottles (Glass Or Plastic)



MIXED FIBRES

Envelopes Catalogues Greeting Cards
 Newsprint Paperboard Paper Cups & Plates
 Magazines Office Paper Telephone Directories
 Paper Bags Egg Cartons Wrapping & Tissue Paper

APPENDIX B

PUBLIC SPACE WASTE & RECYCLING AUDITING TEMPLATE



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

DATE:

ADDRESS:

COMPLETED BY:

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>

APPENDIX C

COMPLETED PUBLIC SPACE WASTE & RECYCLING AUDITING SHEETS



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Corner of North Street and Queen Street

DATE:

5-Sep-14

ADDRESS:

*Corner of North Street and Queen Street, Killaloe, ON,
K0J 2A0*

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>100%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Corner of North Street and Queen Street

DATE:

23-Sep-14

ADDRESS:

*Corner of North Street and Queen Street, Killaloe, ON,
K0J 2A0*

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>95%</u></p> <p>% Mixed Fibres: <u>5%</u></p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Courthouse

DATE:

23-Sep-14

ADDRESS:

47 Mill Street, Killaloe, ON, K0J 2A0

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>100%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Killaloe, Hagarty, and Richards Information Centre

DATE:

5-Sep-14

ADDRESS:

177 Queen Street, Killaloe, ON, K0J 2A0

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>0%</u></p> <p>% Mixed Fibres: <u>100%</u></p> <p>% Mixed Containers: <u>0%</u></p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>5%</u></p> <p>% Mixed Fibres: <u>5%</u></p> <p>% Mixed Containers: <u>90%</u></p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Killaloe Recreation Facility

DATE:

26-Aug-14

ADDRESS:

28 Cameron Street, Killaloe, ON, K0J 2J0

COMPLETED BY:

S

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>100%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Killaloe Recreation Facility

DATE:

6-Oct-14

ADDRESS:

28 Cameron Street, Killaloe, ON, K0J 2J0

COMPLETED BY:

DR

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>80%</u></p> <p>% Mixed Fibres: <u>10%</u></p> <p>% Mixed Containers: <u>10%</u></p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Sheryl Boyle Park

DATE:

25-Aug-14

ADDRESS:

3 Deer Trail Road, RR#5, Killaloe, ON, K0J 2A0

COMPLETED BY:

A

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>100%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>20%</u></p> <p>% Mixed Fibres: <u>80%</u></p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: <u>100%</u></p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Sheryl Boyle Park

DATE:

2-Sep-14

ADDRESS:

3 Deer Trail Road, RR#5, Killaloe, ON, K0J 2A0

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>85%</u></p> <p>% Mixed Fibres: <u>5%</u></p> <p>% Mixed Containers: <u>10%</u></p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Sheryl Boyle Park

DATE:

23-Sep-14

ADDRESS:

3 Deer Trail Road, RR#5, Killaloe, ON, K0J 2A0

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>95%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: <u>5%</u></p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>5%</u></p> <p>% Mixed Fibres: <u>95%</u></p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>10%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: <u>90%</u></p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Station Park

DATE:

22-Aug-14

ADDRESS:

*Lot Part 6 Concession 5, geographic Township of
Hagarty, Killaloe, ON, K0J 2A0*

COMPLETED BY:

A

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>2</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>100%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Station Park

DATE:

26-Aug-14

ADDRESS:

*Lot Part 6 Concession 5, geographic Township of
Hagarty, Killaloe, ON, K0J 2A0*

COMPLETED BY:

S

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>2</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>100%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Station Park

DATE:

5-Sep-14

ADDRESS:

*Lot Part 6 Concession 5, geographic Township of
Hagarty, Killaloe, ON, K0J 2A0*

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>3</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>90%</u></p> <p>% Mixed Fibres: <u>5%</u></p> <p>% Mixed Containers: <u>5%</u></p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u></u></p> <p>% Mixed Fibres: <u>100%</u></p> <p>% Mixed Containers: <u></u></p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u></u></p> <p>% Mixed Fibres: <u></u></p> <p>% Mixed Containers: <u>100%</u></p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Station Park

DATE:

16-Sep-14

ADDRESS:

*Lot Part 6 Concession 5, geographic Township of
Hagarty, Killaloe, ON, K0J 2A0*

COMPLETED BY:

DH

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>90%</u></p> <p>% Mixed Fibres: <u>10%</u></p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Station Park

DATE:

23-Sep-14

ADDRESS:

*Lot Part 6 Concession 5, geographic Township of
Hagarty, Killaloe, ON, K0J 2A0*

COMPLETED BY:

JB

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>2</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>90%</u></p> <p>% Mixed Fibres: <u>5%</u></p> <p>% Mixed Containers: <u>5%</u></p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Station Park

DATE:

6-Oct-14

ADDRESS:

*Lot Part 6 Concession 5, geographic Township of
Hagarty, Killaloe, ON, K0J 2A0*

COMPLETED BY:

DR

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: <u>2</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: <u>95%</u></p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: <u>5%</u></p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>



Public Space Waste & Recycling Auditing
CIF 638.13
Township of Killaloe, Hagarty, and Richards
107.14.005

LOCATION:

Station Park

DATE:

14-Oct-14

ADDRESS:

*Lot Part 6 Concession 5, geographic Township of
Hagarty, Killaloe, ON, K0J 2A0*

COMPLETED BY:

DR

GARBAGE	BLUE BOX RECYCLABLES	
	MIXED FIBRES	MIXED CONTAINERS
<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: _____</p> <p>Volume of Bag (litres): _____</p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: _____</p>	<p>% FULL</p> <p># of Bags: <u>1</u></p> <p>Volume of Bag (litres): <u>121</u></p> <p>% Garbage: _____</p> <p>% Mixed Fibres: _____</p> <p>% Mixed Containers: <u>100%</u></p>
<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, paper cups, etc.):</p>	<p><u>Major Contaminants</u> (i.e. styrofoam, plastic bottles, wax paper etc.):</p>	<p><u>Major Contaminants</u> (i.e. paper, chip bags, paper cups, etc.):</p>

APPENDIX D

STATEMENT OF SERVICE CONDITIONS AND LIMITATIONS



GREENVIEW ENVIRONMENTAL MANAGEMENT LIMITED - STATEMENT OF SERVICE CONDITIONS AND LIMITATIONS

Provision of Services and Payment

Upon documented acceptance of Greenview's proposed services, costs and associated terms by the client, Greenview may commence work on the proposed services directly. Upon retention of Greenview's services related to this project, the client agrees to remit payment for the services rendered for the specified period within (30) days of receipt as invoiced by Greenview on a typical monthly basis, unless otherwise arranged between the client and Greenview. In the event of non-payment by the client, Greenview reserves the right, without external influence or expense, to discontinue services and retain any documentation, data, reports, or other project information until such time as payment is received by Greenview.

Warranty, Limitations, and Reliance

Greenview relies on background and historical information from the client to determine the appropriate scope of services to meet the client's objectives, in accordance with applicable legislation, guidelines, industry practices, and accepted methodologies.

Greenview provides its services under the specific terms and conditions of a specific proposal (and where necessary formal contract), in accordance with the above requirements and the *Limitations Act 2002*, only.

The hypotheses, results, conclusions, and recommendations presented in documentation authored by Greenview are founded on the information provided by the client to Greenview in preparation for the work. Facts, conditions, and circumstances discovered by Greenview during the performance of the work requested by the client are assumed by Greenview to be part of preparatory information provided by the client as part of the proposal stage of the project. Greenview assumes that, until notified or discovered otherwise, that the information provided by, or obtained by Greenview from, the client is factual, accurate, and represents a true depiction of the circumstances that exist related to the time of the work.

Greenview relies on its clients to inform Greenview if there are changes to any related information to the work. Greenview does not review, analyze or attempt to verify the accuracy or completeness of the information or materials provided, or circumstances encountered, other than in accordance with applicable accepted industry practice. Greenview will not be responsible for matters arising from incomplete, incorrect or misleading information or from facts or circumstances that are not fully disclosed to or that are concealed from Greenview during the period that services, work, or documentation preparation was performed by Greenview.

Facts, conditions, information and circumstances may vary with time and locations and Greenview's work is based on a review of such matters as they existed at the particular time and location indicated in its documentation. No assurance is made by Greenview that the facts, conditions, information, circumstances or any underlying assumptions made by Greenview in connection with the work performed will not change after the work is completed and documentation is submitted. If any such changes occur or additional information is obtained, Greenview should be advised and requested to consider if the changes or additional information affect its findings or results.

When preparing documentation, Greenview considers applicable legislation, regulations, governmental guidelines and policies to the extent they are within its knowledge, but Greenview is not qualified to advise with respect to legal matters. The presentation of information regarding applicable legislation, regulations,

governmental guidelines, and policies is for information only and is not intended to and should not be interpreted as constituting a legal opinion concerning the work completed or conditions outlined in a report. All legal matters should be reviewed and considered by an appropriately qualified legal practitioner.

Greenview's services, work and reports are provided solely for the exclusive use of the client which has retained the services of Greenview and to which its reports are addressed. Greenview is not responsible for the use of its services, work or reports by any other party, or for the reliance on, or for any decision which is made by any party using the services or work performed by or a report prepared by Greenview without Greenview's express written consent. Any party that uses, relies on, or makes a decision based on services or work performed by Greenview or a report prepared by Greenview without Greenview's express written consent, does so at its own risk. Except as set out herein, Greenview specifically disclaims any liability or responsibility to any third party for any loss, damage, expense, fine, penalty or other such thing which may arise or result from the use of, reliance on or decision based on any information, recommendation or other matter arising from the services, work or reports provided by Greenview.

Site Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Greenview's work or report considers any locations or times other than those from which information, sample results and data were specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those based on extrapolations.

Only conditions, and substances, at the site and locations chosen for study by the client are evaluated; no adjacent or other properties are evaluated unless specifically requested by the client. Any physical or other aspects of the site that were not chosen for study by the client, or any other matter not specifically addressed in a report prepared by Greenview, are beyond the scope of the work performed by Greenview and such matters have not been investigated or addressed.

Confidentiality

Greenview provides proposals, reports, assessments, designs, and any other work for the sole party identified as the client or potential client in the case of proposals.

For proposals specifically, the information contained therein is confidential, proprietary information, and shall not be reproduced or disclosed to any other party than to that of the addressee of the original proposal submission, without prior written permission of Greenview.