



## MUNICIPALITY OF FRENCH RIVER

### Waste Management Operations Review 2020





## EXECUTIVE SUMMARY

In 2003 the Municipality of French River implemented a Haul All Waste Collection System which included a side loading collection vehicle and waste transfer sites (WTS) with compatible bear proof 6 yd<sup>3</sup> bins owned and operated by the municipality. The number of WTS and deployment of bins has changed over the past 17 years to service a permanent population of approximately 2500 and a seasonal population (42% of dwellings seasonal with tourist establishments) of 8000 during the summer. Currently 16 commercial and institutional (C&I) establishments who purchased compatible bins are also serviced by the Municipality.

Due to persisting operational and environmental compliance problems the Municipality requested an evaluation of the waste and recyclables collection system design and operations, procedures, policies, and processes in order to identify opportunities for improvement.

A variety of options to improve the system were identified and evaluated based on a set of criteria defined under the following headings:

- Performance and Convenience
- Cost Effective and Affordable
- Compliance with Regulations and Municipal By-Laws
- Increase Waste Diversion from Landfilling

Based on the evaluation of options, this report recommends a waste and recycling collection system and several programs to promote waste diversion from disposal.

The system options range in complexity to implement and their costs; therefore, initiatives which require few resources and are relatively easy to develop and maintain have been recommended in the short term, and those initiatives that require more planning and financial resources for implementation have been recommended over the long term.

### Short Term Recommendations

While the Haul All Collection System has resulted in numerous operational issues and associated additional costs, its total replacement with a new and different system is not recommended in the short term. Based on the results of the evaluation process, the following initiatives are recommended for implementation in the short term (1-3 years).

1. Develop the Alban Community Centre, Monetville and Shaw Road WTS which are fenced and operated with supervision for approximately 24 to 30 hours a week in the summer and between 16 and 20 hours in the winter.
2. Store the 25 bins from the closed WTS for replacement.
3. Maintain current collection vehicles, with less sites and a reduction of approximately 2000 waste bin and 1000 recycling bin pick-ups per year will reduce time for collection.



4. Review the Waste Management System ECA operations, monitoring and reporting requirements to ensure environmental compliance.
5. Revise current operating hours at the landfill site to add Sunday hours which will capture seasonal cottagers and campers etc. who used the Noelville Public Works and Wolseley Bay WTS.
6. Enhanced Waste Collection and Diversion Programs to promote ICI participation and impose user fees or other incentives to increase waste diversion.
7. Develop a Promotion and Educational program to inform users of the WTS and landfill site operations.
8. Update the Waste Management By-Law and User Fees By-Law to reflect the new program.

### **Optional Mid-Term Alternatives**

1. It is assumed that the Monetville and Shaw Road WTS could be expanded to increase the number of bins, from 6 and 5 respectively to approximately 10 to 12 each.
2. In addition, the Municipality may consider development of the reuse facility at the Noelville Landfill Site.
3. The collection of recyclables by a contractor would be a Pilot Test program to determine the waste diversion rate for an urban setting Noelville (334 dwellings) and rural area Wolseley Bay (118 dwellings) and would eliminate the current collection and deposit at the landfill and then transfer to a processing centre.

### **Long Term Recommendations**

Based on monitoring the performance, acceptability, cost, environmental compliance, and effect on waste diversion of the upgraded Haul All Collection System and Pilot Test recycling collection program, the Municipality may consider the following waste and recyclables collection initiatives recommended for the long term.

1. Once the new WTS and collection schedule is in place and the municipality's education and enforcement programs have had time to work, the municipality should determine the replacement schedule for the bins if operation of 2 or 3 WTS is to continue.
2. The replacement of the collection vehicle equipped with the RP235 container will depend on life expectancy and the long-term strategy.
3. Based on the waste diversion results of the short and mid-term recommendations which should include limited illegal dumping, no use by non-residents (without a pass), and minimal recycling contaminated loads, in the next contract for recyclables collection, ask that collection be provided at the WTS with different bins and/or preferably expand the curbside collection into the urban Alban area or the entire municipality.
4. The long-term strategy could be that the municipality is responsible for the collection and disposal of waste, and a contractor collects the mixed recyclables and cardboard/paper and transfers to an end market use.



### Waste and Recycling Collection System Cost Comparison

The proposed recommendations will improve performance and convenience, implement initiatives to ensure environmental compliance, and increase the waste diversion rate. The following is a summary of the costs of the waste and recycling collection.

	Capital Cost	Operating Cost	Cost Per Dwelling
<ul style="list-style-type: none"> <li>• Existing System               <ul style="list-style-type: none"> <li>- 5 WTS operating</li> <li>- 2 municipal vehicles</li> </ul> </li> </ul>	\$0.00	\$367,650	\$174
<ul style="list-style-type: none"> <li>• Short-Term               <ul style="list-style-type: none"> <li>- 3 WTS upgrade</li> <li>- Existing C&amp;I</li> <li>- 2 municipal vehicles</li> </ul> </li> </ul>	\$50,600	\$301,170	\$143
<ul style="list-style-type: none"> <li>• Optional Mid-Term               <ul style="list-style-type: none"> <li>- Expand 2 WTS</li> <li>- Develop Reuse Facility</li> <li>- Recycling Pilot Project</li> </ul> </li> </ul>	TBD \$68,000 -	- - TBD	
<ul style="list-style-type: none"> <li>• Long-Term Municipal               <ul style="list-style-type: none"> <li>- 3 WTS</li> <li>- Bin Replacement (10)</li> <li>- Collection vehicle replacement</li> <li>- Waste &amp; Recycling Collection</li> </ul> </li> </ul>	- \$90,000 \$285,900 -	\$60,800 - - \$240,370	\$143
<ul style="list-style-type: none"> <li>• Long-Term Hybrid               <ul style="list-style-type: none"> <li>- 2 WTS</li> <li>- Collecting vehicle replacement</li> <li>- Waste Collection</li> <li>- Recycling Collection</li> </ul> </li> </ul>	- \$285,900 - -	\$35,840 - \$50,100 \$150,000	\$112



## Table of Contents

<b>EXECUTIVE SUMMARY .....</b>	<b>i</b>
<b>1.0 INTRODUCTION .....</b>	<b>1</b>
1.1 Study Area .....	2
1.2 Background .....	3
1.3 Problem Definition .....	6
1.4 Report and Consultation Limitations.....	7
<b>2.0 STUDY METHODOLOGY .....</b>	<b>7</b>
2.1 Study Objectives .....	7
2.2 Approach to the Study.....	12
<b>3.0 EXISTING WASTE MANAGEMENT SYSTEM .....</b>	<b>13</b>
3.1 Waste Transfer Site (WTS) Operations.....	13
3.2 Waste Collection.....	14
3.3 Recycling Collection.....	14
3.4 Other Waste Diversion .....	16
3.5 Waste Disposal .....	16
3.6 Waste Management By-Laws.....	18
3.7 Educational Programs.....	18
3.8 Existing Waste Management System Costs.....	19
<b>4.0 WASTE MANAGEMENT SYSTEM ALTERNATIVES .....</b>	<b>20</b>
4.1 Upgrade to the Existing Haul All Collection System .....	21
4.2 Reduced Number of WTS .....	21
4.3 Reduced Hours for WTS.....	23
4.4 Supervised WTS.....	24
4.5 Different WTS Bin and Collection System .....	25
4.6 Curbside Collection System .....	25
4.7 Enhanced ICI Collection Program .....	26
4.8 Enhanced Waste Diversion Programs .....	26
4.9 Enhanced Education Programs.....	28
4.10 Enhanced Enforcement Programs.....	29
<b>5.0 CONSULTATION PROGRAM .....</b>	<b>29</b>
5.1 Study Consultations.....	29
5.2 Municipalities .....	30
5.3 Interviews and Presentation .....	30
5.4 Questionnaire .....	30



<b>6.0</b>	<b>WASTE MANAGEMENT OPERATIONS ANALYSIS .....</b>	<b>32</b>
6.1	Haul All Collection System Evaluation .....	33
6.2	Alternative Collection System Evaluation .....	33
6.3	Alternative Collection Program Evaluation .....	34
<b>7.0</b>	<b>RECOMMENDED WASTE MANAGEMENT COLLECTION SYSTEM .....</b>	<b>34</b>
7.1	Short Term Recommendations.....	34
7.2	Optional Mid-Term Alternatives.....	36
7.3	Long Term Recommendations.....	36
7.4	Cost of the Recommended System .....	37
<b>REFERENCES</b>	<b>.....</b>	<b>40</b>

**TABLES**

Table 1	French River Statistics Canada
Table 2	Existing WTS Capacity
Table 3	Percent Waste Diversion
Table 4	2019 Recycling
Table 5	Adjacent Municipalities Comparison of Operating Hours
Table 6	Proposed Changes to Waste Management System
Table 7	Evaluation Criteria
Table 8	Evaluation of the Haul All Collection Options
Table 9A	Evaluation of Alternative Collection System Options
Table 9B	Evaluation of Alternative Collection System Options
Table 10	Evaluation of Alternative Collection Program Options
Table 11	Short-Term Recommended System Costs
Table 12	Long-Term Recommended System Costs

**FIGURES**

Figure 1	Waste Transfer Site Locations
Figure 2	Bin Layout
Figure 3	Commercial and Institutional Bin Pick-up Locations
Figure 4	Noelville Landfill Site Service Area
Figure 5	Waste Transfer Site Usage

**APPENDICES**

Appendix A	ECA No. 6812-5NUQ24
Appendix B	Haul All Equipment Specifications
Appendix C	Historical Correspondence
Appendix D	Waste Management By-laws
Appendix E	2018 and 2019 Collection Summary
Appendix F	Statistics Canada Municipal Data
Appendix G	Municipal Waste Transfer Site Collection Costs
Appendix H	Municipal Curbside Collection Costs
Appendix I	Preliminary Cost Estimates



## 1.0 INTRODUCTION

The Municipality of French River has requested an operations review of the current waste management system including the design and operations, procedures, policies, and processes to identify opportunities for improvement. The system components under evaluation include the on-site bin storage at five (5) waste transfer sites which receive residential waste and recyclables delivered by individuals and the bin storage and collection of participating commercial and institutional (C&I) businesses. These bins are emptied by a municipal collection vehicle and the materials are transported to the Noelville Waste Disposal Site. The waste collected from the bins is landfilled. The recyclables are emptied into two (2) 40 yd<sup>3</sup> bins on site, once a bin is full, a contractor collects them for processing and end market use. If the load is contaminated it is landfilled.

The Municipality of French River, like many small rural municipalities, and particularly those with a large service area and a high number of seasonal residents and tourists, are faced with many challenges to provide a sustainable waste management system. The importance of this service is cited in the Community Strategic Plan 2013-2018 (Municipality of French River, 2013) as follows.

### **Objective**

Ensure environmental compliance and efficient waste collection

### **Direction**

French River is a community where it is as convenient to recycle as possible, and the level of service provided meets or exceeds the needs of its ratepayers

### **Strategic Goals**

Simplify Recycling - Remove barriers to recycling wherever possible, and expand the program (including reuse) to divert waste from the landfill

Explore Your Options – Identify waste management options with respect to the collection of waste, educate the public on diversion options, and improve the level of service. Identify options with respect to lagoon capacity

Maintain Compliance – Develop partnerships with the Ministry of the Environment, surrounding property owners, and levels of government to ensure that the landfill's phase 1 is completed, and that phases 2 and 3 are kept current in the face of changing regulations

Since the current Municipality of French River waste management system was implemented in 2003 its efficiency has been monitored by staff and options for improvement regularly discussed by Council. Recently, an Environmental Advisory Committee was established in June 2019 which reviews various environmental issues, including the waste management system. In March 2019, the Provincial Government announced a one-time investment for many small rural municipalities which have limited capacity to plan, modernize and improve service delivery. This study, involving the operations review of waste and recyclable materials collection, their disposal and diversion from landfilling is being funded by the Municipal Modernization Program.



## 1.1 Study Area

The Municipality of French River amalgamated on January 1, 1999 including the organized Townships of Cosby, Martland and Mason and the unorganized Townships of Cherriman, Delamere, Haddo, Hoskin, Scollard and part of Bigwood. The total land area is approximately 735.5 km<sup>2</sup> and includes three (3) small population centres: Noelville, Alban and Monetville, and a large number of dwellings scattered throughout the countryside and along the shores of the many lakes and rivers.

The borders of the municipality include the Municipality of Killarney along Highway 60 and the Unincorporated Townships of Cox and Servos to the west; the Unincorporated Township of Henrie and the Municipality of St. Charles to the north; the Municipality of West Nipissing and Dokis First Nation to the east; and the French River to the south.

Within the municipal borders there are numerous provincial parks and reserves including: Mashkinonje Provincial Park, French River Provincial Park (waterway class), Cherriman Conservation Reserve, Eighteen Mile Island Wilderness Area. In addition, there are private lodges, campgrounds and motels serving the tourists which visit this area.

The following population data has been obtained from Statistics Canada census data; the 1996 figure was from the former Townships.

**Table 1: French River Statistics Canada**

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings
2016	2662	9.0	2108	1220	888
2011	2442	-8.2	1833	1128	705
2006	2659	-5.4	2053	1190	863
2001	2810	-1.3	2109	---	---
1996	2847	---	---	---	---

In consideration of the historical negative growth rates since the waste management system was initiated in 2003 until the 2016 census, it is assumed the 2020 population may be approximately 2700 persons (somewhere between the 2001 and 2016 population). There is approximately 2.1 persons per permanent dwelling.

The number of seasonal dwellings account for approximately 42% of the total dwellings. In order to calculate a service population for the waste management system it must take into account the significant seasonal population in the municipality. In addition, the service population must also take into consideration the travelling or visiting tourists population. While there are year round recreational and tourism opportunities in the Municipality of French River, the summer seasonal population is estimated to be double or even over three times the permanent population. This would be the equivalent of approximately 8000 persons using the waste facilities for over 4 months of the year (from the May long weekend to Thanksgiving weekend).



## 1.2 Background

Since amalgamation in 1999, the Municipality of French River has been involved in the research, establishment, operation and monitoring of the effectiveness of a waste management system to service their ratepayers. In the summer of 2000 and Fall 2001 the municipality surveyed ratepayers on the programs in place and the proposed changes. There were five (5) operating landfill sites; Noelville, Delamere, Cherriman, Haddo and Scollard and curbside collection was provided in Noelville and Alban for a user fee. On October 10, 2002, the Municipal Council passed a resolution to purchase the Haul All Waste Management System and not use the Cherriman, Haddo and Scollard sites owned by the Crown.

The following provides a summary of key activities which resulted in the current system.

On January 31, **2003**, the municipality made an application for a Provisional Certificate of Approval now known as an Environmental Approval Compliance (ECA) for a Waste Management System. The application included a Design and Operations Report dated January 2003 prepared by Azimuth Environmental Consulting Inc. The ECA No 6812-5NUQ24 was issued August 7, 2003 with various terms and conditions for the operation of six (6) waste transfer sites, a copy is included in **Appendix A**.

Conditions 1 - 12	General
Conditions 13 – 17	System Operations
Conditions 18 – 25	Depot Operations
Conditions 26 – 27	Staff Training
Conditions 28 – 29	Equipment and Depot Inspections
Conditions 30 – 31	Spills and Emergency Response
Condition 32	Contingency Plan
Condition 33	Record Keeping
Condition 34	Annual Report

The Schedule “B” of the ECA defined the storage capacity (total volume) of the 6 depots and their weekly volume of waste to be managed (double the total volume). The bin capacity is assumed to be 3.5m<sup>3</sup> and each site was to be visited twice per week with all bins emptied.

	Capacity m <sup>3</sup>	Weekly m <sup>3</sup>
Municipal Public Works Yard	35	70
Noelville Community Centre	35	70
Highway 528 (Wolseley Bay)	21	42
Monetville	21	42
Shaw Road	14	28
Alban Community Centre	42	84

In April **2003**, the Municipality of French River implemented the waste management system for the storage and collection of waste. The collection vehicle was equipped with a dual stream RP235 side loading container manufactured by Haul All which had the capacity to hold approximately 7 bins. Seventy (70) HL6 bins (6yd<sup>3</sup>) also manufactured by Haul All were established at the waste transfer sites or stored as replacements. The Haul All system was purchased through NEXGEN Municipal Inc., the equipment specifications are included in **Appendix B**. This Haul All waste management system was being used by several local municipalities. The recyclables collected were hauled to the City of Sudbury Recycling Centre, and the waste landfilled at the Noelville (and Delamere closed in 2006) waste disposal site.



In July **2004**, the municipality circulated a notice to ratepayers advising on the status of the waste management system. There were a number of problems noted including occurrences of receiving household hazardous waste, the illegal dumping of large items and use of the sites by residents in adjacent municipalities. Copies of relevant correspondence regarding the WTS and collection operations are included in **Appendix C**.

In January **2006**, the system involved the operation of eight (8) waste transfer sites for residential ratepayers to drop off waste and recyclables. Recyclables obtained from the 17 bins were hauled to the City of Sudbury Recycling Centre. (CRA, 2007) In addition, the Municipality provided waste collection to commercial and institutional (C&I) businesses who purchased bins from the municipality compatible with the municipal collection vehicle.

In **2006** the Municipality of French River initiated an Environmental Assessment (EA), the Terms of Reference were approved by the MOE February 27, 2007. The study area included the Municipality of French River, the Municipality of Killarney, the Municipality of St.-Charles, adjacent unorganized Townships, MNR Provincial Parks, and Dokis First Nation and Henvey Inlet First Nation. A Draft EA Report dated December 10, 2013 was prepared for public and agency review March 31, 2014. The purpose of this EA was to identify a long-term waste disposal capacity solution which involved a new waste disposal siting program. Investigation of the existing landfill sites resulted in the closure of the Delamere landfill site and a determination of an approved site capacity for the Noelville landfill site for the Municipality of French River. Numerous public meetings were held which also included opportunities to comment on the waste and recycling collection system.

Concurrently with the EA study process, a Waste Management Master Plan (WMMP) was undertaken for the same study area and included an assessment of the waste diversion program system and facility needs for the Municipality of French River. A draft WMMP was prepared by Conestoga-Rovers & Associates (CRA) dated April 2007. The report described the current waste management systems and projected needs for a 40-year planning period.

According to CRA (2007) the waste transfer site (WTS) locations and layout in 2007 was as follows:

SITE	BINS	
Noelville Landfill Site	1 waste	
Shaw Road WTS	3 waste	1 recycle
Hwy 528 (Wolseley Bay) WTS	3 waste	1 recycle
Monetville WTS	5 waste	1 recycle
Alban Community Centre WTS	14 waste	6 recycle
Public Works Yard WTS	7 waste	3 recycle
Noelville Arena	10 waste	3 recycle
Hwy 607 WTS	8 waste	2 recycle

The draft WMMP presented the following observations and recommendations for the WTS.

General – improve signage, monitor site cleanup of large items illegally deposited, estimate additional costs incurred, inform residents of the problem and that taxes may need to be increased to cover the cost to collect and haul to the landfill site, hold a public meeting.



Noelville Landfill Site – increase the number of bins located outside the gate.

Shaw Road WTS – may receive waste and recyclables from adjacent Municipality of St Charles, determine the quantity of illegal use and the cost to the Municipality of French River to manage other residents waste, and obtain an agreement for cost recovery.

Hwy 528 (Wolseley Bay) WTS – generally operating appropriately except for illegal dumping of large items

Monetville WTS – generally operating appropriately except for illegal dumping of large items.

Alban Community Centre WTS – due to its high visibility does not experience the extent of illegal dumping, recommend expansion by the installation of bins from the closed Delamere landfill site.

Public Works Yard WTS– should be expanded by the installation of bins from the arena.

Noelville Arena – bins located too close to residences, businesses and recreational fields should be closed.

Highway 607 WTS – primary problem is illegal dumping of large items.

The bin at the Noelville landfill site was located outside of the gate to receive waste when the site was closed. Due to illegal dumping, it was removed in 2015. The bins located at the Noelville arena were relocated to the Public Works Yard WTS in 2015. The Highway 607 WTS was closed in 2017, and the bins relocated to the Alban Community Centre WTS.

In **2015** an Ad Hoc Committee was created to review the waste management system based on the following issues:

- It is over 10 years old
- Need replacement of garbage truck
- Major repairs to equipment
- Pressures to justify service costs
- Need to control waste at the Landfill Site
- Pressure to increase recycling by the Province and environmental groups

The committee evaluated three (3) options: 1. Status Quo / Existing System, 2. Improved Depot Site System, and 3. Curbside Collection. Students were hired to attend the WTS to monitor operations and provide educational materials. A Consultation Plan was developed which included a public forum on May 16, 2015 and request for written comments. The committee recommended curbside collection, documentation is included in **Appendix C**.

In the summer of **2015**, the municipality rented the use of the Laurentian University truck and driver, as their current vehicle was experiencing maintenance problems. NEXGEN Municipal Inc. arranged for a used vehicle (formerly Township of Seguin) for purchase providing service for the period August 2015 to July 2018. The vehicle required extensive upgrade to have it road worthy, and on-going maintenance. In February, 2016 a 2016 Freightliner truck equipped with a Haul All OMNI-PAK 24R compactor was purchased from NEXGEN Municipal Inc. which had the capacity to hold approximately 20 bins. Specifications are included in **Appendix B**.



In February **2016** the Council implemented a Committee on Recycling Ecologically (CARE) to identify opportunities to implement waste and recycling initiatives. The CARE met five (5) times per year or as required.

On July 31, **2017**, the municipality decided to apply a \$15 per pick up charge to the commercial & institutional businesses using bins which are serviced by the municipality

In March **2019**, the municipality purchased a 2008 International truck with the Haul All RP235 side loading container from Laurentian University in Sudbury and in July 2019 purchased the university's 14 bins

In June **2019** the municipality established an Environmental Advisory Committee. Initiatives have included: recycling education pamphlet, bin wrap, modification of landfill site hours and review user fees and the waste management by-laws

### 1.3 Problem Definition

Based on the preceding overview of the existing waste management system, the following lists the key issues to be addressed in the operations review:

- The 5 WTS have 67 bins, there are 12 extra bins for replacement or purchase by C&I establishments. Eventually all bins will have to be replaced.
- There are 16 C&I establishments which have bins serviced by the municipal collection truck, 5 require year-round service.
- A second collection truck was purchased in 2019 as the existing 2016 OMNI-PAK compactor required on-going maintenance and has not been reliable.
- It takes 8 to 10 hours per day, 6 days a week to collect from the 5 WTS and 16 C&I establishments in the summer months.
- During the summer months the capacity of the bins is often exceeded before pick-up is scheduled.
- Throughout the year individual deliveries to the WTS is not limited to regular household waste but includes furniture, construction and demolition waste, scrap metal, appliances, etc. which is not permitted.
- Municipal employees with a pick-up truck attend the site to clean up the illegal dumping requiring approximately 260 hours per year.
- There are non-residents of the municipality using the WTS.
- It is not feasible to cost effectively monitor the 5 WTS for improper use and illegal dumping.
- The bins often freeze into the ground due to thaw and freeze conditions in the winter.
- Contamination of the recycling bins occurs regularly and results in additional cost.
- Recyclable materials from the WTS are collected and hauled to the landfill site and then collected by a contractor, rather than one collection event.



Based on 2019 records, the Municipality generated 5100m<sup>3</sup> of waste and 258.49 tonnes (not including contaminated loads) of recyclables annually using the current waste management system. An upgrade to the existing system or implementation of a new system requires a strategy to manage the existing waste stream through an efficient operation which effectively collects and landfills the amount of waste generated and increases the rate of waste diversion from disposal.

#### 1.4 Report and Consultation Limitations

There has been past studies and documentation prepared on the waste management system. The current records of the storage, collection and transfer of waste and recyclables has been provided by the Municipality. A list of relevant reports is included in the references of this report. This report has relied on the findings and conclusions in various reports and the documentation provided to present a chronology of events leading up to the existing waste management system and the issues and concerns which were or must be addressed to improve the delivery of waste disposal and recycling services in the municipality. This report has been prepared for the exclusive use of the Municipality of French River and has been subject to the review of existing municipal staff. Any use which a third party makes of this report, or and reliance on, or decisions to be made upon it, are the responsibilities of such third parties. Jp2g Consultants Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

## 2.0 STUDY METHODOLOGY

There are several factors driving the requirement for a better system to manage the waste and recyclables being generated in the Municipality of French River. In order to systematically compare the existing system with alternative upgrades, new systems, and programs the following defines the study objectives and approach.

### 2.1 Study Objectives

The study objectives are a set of criteria against which the existing waste management system and alternative recommendations can be evaluated. The waste management system components under investigation include the collection of waste and recyclables and their transport to the landfill site for disposal or diversion to market for processing. Any waste management system proposed for the Municipality of French River should comply with the following:

- Performance and Convenience
- Cost Effective and Affordable
- Compliant with Regulations and Municipal By-laws
- Environmentally Sound which maximizes Diversion from Waste Disposal

#### **Performance and Convenience**

This evaluation criterion can be simply defined as a system which is easy to implement and maintain for the municipality and easy to use for the ratepayer. The performance of a waste and recycling collection system must take into consideration the geographic and demographic characteristics of the municipality. The ability to implement and maintain a system which provides an acceptable level of service must be considered against the other study objectives.



The following criteria will be used in the evaluation of the alternatives. The preferred waste management system shall:

Municipal

- Ensure an adequate level of service is provided equally across the large service area
- Address the high rates of waste and recyclable generation in the summer months
- Maximize the effectiveness of municipal staff in their implementation and administration of waste and recyclables management
- Minimize staff resources required to address illegal dumping and equipment maintenance
- Minimize or eliminate the use of waste facilities by non-residents
- Involve a cost-effective means of ensuring compliance with provincial and municipal requirements
- Involve an efficient public education program to maximize waste diversion from landfilling

Users

- Ensure the ratepayers feel they are receiving the same or better level of service as provided by neighbouring or similar rural municipalities
- Address the quantity of waste generated by the weekend cottagers, seasonal campers and tourists
- Ensure the collection system minimizes waste storage which would attract bears, racoons, etc.
- Minimize the cost to ratepayers due to illegal dumping and equipment maintenance
- Ensure ratepayers have a personal buy into the program to minimize costs and maximize waste diversion from landfilling

**Cost Effective and Affordable**

This evaluation criterion will assess the capital and operating costs of the existing waste management system in comparison to alternative solutions. In 2019 the municipality’s waste management program was estimated to cost over \$421,550 with a detailed breakdown provided in **Section 3.8**. The most significant of the system costs included:

- Garbage collection and transfer for disposal	\$210,450.00
- Collection and transfer of recyclables	\$144,900.00
- Collection equipment maintenance	\$17,300.00
- Program Promotion and Education	\$15,000.00+
- Household Hazardous Waste (HHW) Collection	\$33,900.00

These costs do not include the wages, equipment, and operations at the waste disposal site involving the landfilling of waste. The municipality offsets its gross operating costs by \$129,930 through revenues generated by recycling and user fees. See **Section 3.8** for detail.

The costs for alternatives presented in this report are based on previous request for quotes by the Municipality for some options, and costs incurred by other municipalities for their system.



## **Compliance with Regulations and Municipal By-Laws**

There are several applicable provincial Acts, Bills and associated Regulations and Guidelines which address issues associated with waste management.

- **Environmental Assessment Act**  
*The Environmental Assessment Act (EAA) sets out a planning and decision-making process, so environmental effects are considered prior to project implementation.*
- **Environmental Protection Act**  
*The Environmental Protection Act (EPA) provides the legislative framework for the establishment of waste management facilities. The establishment, operation, management, alteration, enlargement and/or extension of waste management facilities in the Province of Ontario requires a Certificate of Approval (now known as an Environmental Compliance Approval) under Part 5, Section 27 of the EPA.*
- **Ontario Regulation 347 (Waste Management – General)**  
*Regulation 347 (formerly Regulation 309) under the EPA is the primary regulation for controlling the handling, disposal and management of hazardous and non-hazardous wastes in the Province. Under the regulation, wastes are classified into categories that stipulate handling requirements. The Regulations specify control measures for disposal facilities.*
- **Ontario Regulation 101/94 (Recycling and Composting of Municipal Waste under the EPA)**  
*Ontario Regulation 101/94 is also known as the 3Rs Regulations. It, and accompanying regulations, became law on March 3, 1994. The regulations are an integral part of Ontario's Waste Reduction Action Plan. The plan was aimed at reducing the amount of waste going to disposal by at least 50 per cent by the year 2000 compared to the base year of 1987. The objective was achieved through a strategy based on the 3Rs — reduction, reuse and recycling.*
- **Bill 90, Waste Diversion Act, 2002 (replaced)**  
*Bill 90, an Act to promote the reduction, reuse and recycling of waste, was given Royal Assent on June 27, 2002. The Act created Waste Diversion Ontario (WDO), a non-crown corporation. WDO was established to develop, implement and operate waste diversion programs for a wide range of materials. The Act empowers the Minister of the Environment to designate a material for which a waste diversion program is to be established.*
- **Waste Free Ontario Act, 2016**  
*The Waste Free Ontario Act comprising the Resource Recovery and Circular Economy Act and the Waste Diversion Transition Act, established legislation to tackle the problem of waste generation, and producer responsibility. This Act has replaced the former Waste Diversion Act, 2002. A visionary goal provides the guiding principles needed to work towards the elimination of waste. It focuses on waste prevention rather than end-of-life waste management solutions and will eliminate the blue box system.*



- Provincial Policy Statement  
*Section 1.6.8 of the Provincial Policy Statement on land-use planning, issued under the authority of Section 3 of the Planning Act, states that:*

*“Waste management systems need to be provided that are of an appropriate size and type to accommodate present and future requirements, and facilitate, encourage and promote reduction, reuse and recycling objectives. Waste management systems shall be located and designed in accordance with provincial legislation and standards.”*

The current waste management system was established and is to be operated under the requirements of ECA No. 6812-5NUQ24 dated August 7, 2003 which was issued under Section 27 of the Environmental Protection Act (EPA). Changes to the system will require an amendment to the ECA.

The Resource Productivity and Recovery Authority (RPRA) has initiated a staged process of transition of waste diversion programs in Ontario under the Waste Free Ontario Act, 2016 and Resource Recovery and Circular Economy Act, 2016. The RPRA covers 4 programs (1) used tires, (2) waste electrical and electronic equipment, (3) municipal hazardous or special waste, and (4) blue box. Any changes to the system must consider any initiatives under these programs.

The Municipality of French River has a Recycling By-Law No. 2005-56 which regulates recycling of waste at the waste transfer sites (WTS) and the landfill site. In addition, Waste Management By-Law No. 2010-26 regulates the disposal of waste at the WTS and landfill site. The current user charges are attached as Schedule “E” to By-Law 2017-35. Copies of these documents are included in **Appendix D**. Details are provided in **Section 3.6** of this report.

### **Waste Diversion**

The Municipality of French River is committed to maximizing the amount of waste diversion for recycling rather than for disposal. This is a goal of the Community Strategic Plan and a mandate item of the Environmental Advisory Committee. As noted, there have been various provincial initiatives to maximize diversion to consider, with the latest promoting Zero Waste. The implications of this directive are unknown, and the intent of this study is not to establish a waste diversion target, but to identify operational improvements to increase the waste diversion rates.

To give more meaning to the primary objective of waste diversion, the following provides a brief overview of the operations and waste disposal capacity of the Noelville Landfill Site.

The 32.0 ha municipal landfill site located at 330 Houle Street operates under Environmental Compliance Approval No. A541506 issued May 16, 1974, re-issued November 10, 1975 and April 1, 1980 as amended by:

Notice No. 1 March 21, 2007 – changed the site owner to the Municipality of French River and permitted household hazardous waste day events.

Notice No. 2 May 19, 2009 – permitted the unorganized Townships adjacent to the Municipality of French River to use the site which included Cox, Servos, Burwash, Secord, Henrie, Laura and Waldie.



Notice No. 3 April 19, 2013 – approved a Phase 1 site capacity of 211,895m<sup>3</sup>, detailed landfilling operations and environmental monitoring / reporting requirements which extended the fill area from 2.02 ha to 4.80 ha, included a geo-synthetic liner and leachate collection system.

Notice No. 4 – approved changed hours of operation. (A draft of this amendment was prepared by MECP).

Under ECA No.1428-92RP2N dated March 12, 2013 – approval of a stormwater management facility for the development of Phase 1.

Key supporting documents for the operation and environmental monitoring of the landfill site include:

- Design and Operations Plan dated May 10, 2011 prepared by Conestoga-Rovers & Associates
- Hydrogeologic Characterization and Design Assessment Report dated May 10, 2011 prepared by Conestoga-Rovers & Associates
- Noelville Landfill, Certificate of Approval (C of A) Sewage, OWRA Section 53 Application Stormwater Management Plan dated May 10, 2011 prepared by Conestoga-Rovers & Associates

The 2011 landfill design capacity was estimated as follows (CRA, 2011):

Phase 1	211,895m <sup>3</sup>	2.8ha landfilling area	23 years
Phase 2	95,930m <sup>3</sup>	3.9ha landfilling area	15 years
Phase 3	72,850m <sup>3</sup>	4.8ha landfilling area	11 years

According to the 2019 Annual Report (GHD 2020) there is approximately 76,000m<sup>3</sup> remaining capacity in Phase 1 of the landfill site. Assuming an annual landfilling rate of 5100m<sup>3</sup> there is an estimated life expectancy of 14.9 years. Operational details for waste disposal are provided in Section 3.5 of this report.

As noted, the Municipality of French River has established by-laws in an attempt to maximize waste diversion through recycling and manage the residual waste received for landfilling. In addition, the municipality has participated in stewardship programs established under the Waste Diversion Act to collect tires, waste electrical and electronic equipment (WEEE) and Automotive (Household Hazardous Waste HWW). Also, at the landfill site scrap metal, white goods and propane tanks are diverted from disposal.

Non-residents of the Municipality of French River (unorganized Townships listed in the ECA) are permitted to access the Noelville Waste Disposal Site with a landfill pass. In 2019 ten (10) passes were purchased. However, access to the five (5) WTS is not controlled and residents in the adjacent unorganized Townships may often use them.

The influence of the other neighbouring municipality's waste management system will also affect the waste diversion rate for the Municipality of French River. If the French River WTS is more convenient for travel and/or will avoid the tipping fees or bag limits imposed in their municipality, the WTS will receive waste from the Municipalities of St.-Charles, Killarney or West Nipissing.

It is understood that the Dokis First Nation and the Henvey Inlet First Nation have expressed interest in using the Noelville Landfill Site.



With these existing and proposed waste generation sources the Phase 1 capacity may not last as long as projected.

There are no guarantees that the Phase 2 or 3 capacity will be approved unless environmental compliance can be achieved in a cost-effective and sustainable manner. Maximizing waste diversion from landfilling will extend the life of Phase 1.

## 2.2 Approach to the Study

Municipal waste management is concerned with the generation, on-site storage, collection, transfer / transportation, waste diversion from landfilling and the disposal of solid non-hazardous wastes. This study concentrates on the current system of storage, collection and transfer of domestic waste and recyclable materials.

A socially acceptable, financially responsible, and environmentally sound waste management system may be characterized based on the following five key components:

- 1) The provision of effective waste management facilities for waste disposal and waste diversion that are conveniently located, easy to use and well managed / maintained.
- 2) A waste disposal and waste diversion operation which achieves an acceptable level of service at a reasonable cost
- 3) The establishment, use and operation of the waste management facilities which comply with current Provincial legislative standards
- 4) An effective and judiciously applied By-law enforcement program.
- 5) An effective program of education and information, aimed at maximizing the amount of waste diverted from landfill

The Operations Review will:

- **Section 3.0** - Describe the existing waste management programs and facilities
- **Section 4.0** - Identify Waste Management System Alternatives for the collection of waste and recyclables, including examples from municipalities with similar characteristics of the Municipality of French River
- **Section 5.0** - A Consultation Program was developed and implemented in association with the municipality. Comments from key stakeholders and the general public on the current waste management system and potential alternatives to improve the service are summarized
- **Section 6.0** - Complete an Analysis of the Current Operations and Alternatives based on the evaluation criteria
- **Section 7.0** - Identify improvements or proposed changes to the current Waste Management System



### 3.0 EXISTING WASTE MANAGEMENT SYSTEM

The Municipality of French River purchased a Haul All waste management system in 2003 which included a collection vehicle with a dual stream RP235 side loading container and 70 bins. As previously described the current system includes a 2008 International truck with the RP235 container and a 2016 Freightliner truck with the OMNI-PAK 24R compactor. They currently own 69 bins, and service 16 commercial & institutional (C&I) establishments with compatible bins

The municipality owns and operates the landfill site located at 330 Houle Street.

#### 3.1 Waste Transfer Site (WTS) Operations

There are currently five (5) WTS located in the municipality as shown on **Figure 1**. The WTS is open to the public 24 hours per day with unrestricted access. Each site has signage to inform users of operations. The bin layout is shown on **Figure 2** W-waste, R-recycling, C-cardboard and paper. The capacity of each bin is 6 yd<sup>3</sup> (4.5 m<sup>3</sup>).

**Table 2: Existing WTS Capacity**

WTS	BINS			WASTE m <sup>3</sup>	RECYCLING m <sup>3</sup>
<b>Wolseley Bay</b>	3-W	1-R	1-C	13.5	9
<b>Noelville Public Works Yard</b>	13-W	4-R	4-C	58.5	36
<b>Alban Community Centre</b>	20-W	4-R	6-C	90	45
<b>Shaw Road</b>	3-W	1-R	1-C	13.5	9
<b>Monetville</b>	4-W	1-R	1-C	18	9

In accordance with ECA No. 6812-5NUQZ4 issued August 7, 2003, Condition 34 requires that an annual report is filed with the Ministry by January 31, 2004 and on an annual basis thereafter describing as a minimum, the following information:

- (a) Monthly summary of the type and quantity of all waste received and transferred from each WTS
- (b) Any environmental and operational problem and any mitigative measures taken.
- (c) A statement of compliance with all ECA conditions, and with the inspection and reporting requirements.
- (d) Any recommendations to minimize environmental impacts from the operation and to improve operating and monitoring programs.

Municipal staff are not aware if any annual reports were ever completed.

In addition to the regular collection of waste and recyclables from the WTS, municipal staff must attend the sites regularly to clean up the illegal dumping of furniture, etc. outside the bins. On Monday and usually Friday, staff pick up these items and haul to the landfill site, on average 5 manhours per week.



### 3.2 Waste Collection

The WTS collection program which involves 43 bins at 5 WTS is managed and operated by municipal staff. In addition, sixteen (16) commercial and institutional (C&I) establishments have purchased bins to have their waste collected by the municipality. Locations are shown on **Figure 3**. Residents may request pick up at their home at an annual fee of \$100 for Special Waste Collection. During the winter months the municipality includes the Noelville Arena, which involves the collection of garbage bags which are deposited into the truck by the operator.

Since March 2018, the operator has maintained records of bin collection at the WTS and the 16 C&I establishments, summary tables are provided in **Appendix E**.

According to the Haul All specifications and the operators the 2008 International truck with the SR235 container has the capacity of approximately 7 bins while the 2016 Freightliner-truck with the OMNI-PAK 24R compactor has a capacity of approximately 20 bins. The OMNI-PAK 24R compactor hydraulics are operated electronically which results in a slower bin collection cycle than the SR235. In addition, the OMNI-PAK 24R is equipped with numerous sensors to ensure safe compaction of materials. Regularly, some of these sensors are damaged or accidentally triggered during collection. This requires municipal staff to travel to the breakdown location and assist in repair or alteration of the compacted load to continue operations. Based on the operating maintenance concerns with the 2016 Freightliner with the OMNI-PAK compactor, the 2008 International is used for waste collection whenever possible.

Waste bins are typically collected on Monday, Wednesday and Friday during the week. Based on the operator's records for 2019, 5049 bins were emptied from the WTS and 617 bins were emptied from the C&I establishments. The total 5666 bins (4.5m<sup>3</sup>) is equivalent to approximately 25,497m<sup>3</sup> of loose waste. Assuming loose waste is 150kg/m<sup>3</sup> and in place compacted waste is 750kg/m<sup>3</sup>, this would be 5099m<sup>3</sup> of landfilled waste. This figure is close to the 5100m<sup>3</sup> total annual landfilled volume with cover calculated by GHD (2019) so it is assumed not all bins were full when emptied, say a reduction of 20% is equal to 4088m<sup>3</sup>.

In reference to the 2019 summary sheets included in **Appendix E** the months requiring additional collection May through October 2019 averaged over 500 waste bins per month from the WTS. An additional 78 waste bins on average were collected per month from the C&I establishments. During the other months, the number of WTS waste bins collected ranged from 180 to 402 per month, the C&I waste bins collected ranged from 12 to 33.

### 3.3 Recycling Collection

The waste management service includes designated bins at the 5 WTS for the collection of mixed recyclables including 11 bins and 13 bins for cardboard and paper. Recycling bins are typically collected on Tuesdays and Thursdays during the week. Based on the operator's records for 2019, 2351 bins were emptied from the WTS and 126 bins were emptied from the C&I establishments. The total 2477 bins (4.5m<sup>3</sup>) is equivalent to approximately 11,146m<sup>3</sup> of loose mixed recyclables and cardboard/paper.

In reference to the summary sheets included in **Appendix E**, through the months of May to October 2019 over 250 recycling bins were emptied from the WTS each month. An additional 15 recycling bins on average were collected per month from the C&I establishments. During the other months, the number of WTS recycling bins collected ranged from 88 to 187, the C&I recycling bins ranged from 4 to 12.



In 2018 (March-December) and 2019, 1970 and 2351 bins respectively were collected from the 5 WTS sites. The two (2) schools and the Trading Post have bins for recyclables. In 2018 and 2019, 119 and 126 bins respectively were collected from these establishments. **Table 3** illustrates a comparison of waste and recycling bin collection and the percentage of bins collected for recycling.

**Table 3: Percent Waste Diversion**

Year	WTS			C&I		
	Waste	Recycling	%	Waste	Recycling	%
<b>2018<sup>(1)</sup></b>	4614	1970	30.0	639	119	19.0
<b>2019</b>	5049	2351	31.7	617	126	17.0

Note: <sup>(1)</sup> For period March to December

The Municipality contracts out the collection of recyclables from the landfill site to R&D Recycling based out of North Bay. The following **Table 4** summarizes the number of pick-ups, tonnages of recyclables and contaminated loads, and costs for 2019. A total of 258.5 tonnes of household recyclable materials were collected in 2019, subtracting the contaminated loads 191.4 tonnes was diverted from landfilling. To compare the WTS recycling bin volume of approximately 11,146m<sup>3</sup> to the R&D Recycling figures, the 122 forty (40) yd<sup>3</sup> bins is equivalent to 3731.25m<sup>3</sup>. This suggests that the WTS bins were not at full capacity (4.5m<sup>3</sup>) when emptied and/or when deposited into the 40 yd<sup>3</sup> (30.5m<sup>3</sup>) bins from the compactor the density had increased. On average the 30.5m<sup>3</sup> bins weighed 2.1 tonnes which is a density equivalent of approximately 69 kg/m<sup>3</sup>.

**Table 4: 2019 Recycling**

	Pick-Up	Recyclable (tonnes)	Contaminated (tonnes) (1)	Cost (\$) (2)
<b>January</b>	8	17.18	0	3,316.70
<b>February</b>	5	14.45	0	2,314.25
<b>March</b>	8	10.14	0	2,859.10
<b>April</b>	9	22.8	0	3,916.70
<b>May</b>	12	22.78	6	4,936.00
<b>June</b>	11	25.06	7.5	5,216.40
<b>July</b>	16	35.04	14.29	7,761.75
<b>August</b>	14	29.87	8.83	6,453.80
<b>September</b>	13	23.77	8.14	5,730.55
<b>October</b>	9	19.14	7.66	4,293.60
<b>November</b>	9	24.21	9.68	5,488.46
<b>December</b>	8	14.05	4.99	4,010.63
<b>Total</b>	<b>122</b>	<b>258.49</b>	<b>67.09</b>	<b>56,297.94</b>

Notes:

- (1) In May charges were applied for contaminated loads, prior there was no records kept of the quantity of the rejected recycling loads.
- (2) Pick-up charges were \$275.00 per trip and \$65.00 for recyclables and \$75.00 per tonne for a contaminated load.

In November 2019 the contract price increased by 15% and then in 2020 an additional 10%.



### 3.4 Other Waste Diversion

A variety of materials are managed at the Noelville Landfill Site, and the municipality implemented and encourages other waste diversion programs.

The landfill site's current practices regarding waste diversion include:

- Scrap metal is stored separately and periodically picked up by scrap metal recyclers
- Propane tanks are stored separately and picked up under the RPR program
- Waste electronic and electrical equipment (WEEE) is stored in a container and collected under the RPR program
- Tires are stored separately and collected under the RPR program
- Wood and brush is stockpiled separately and ground as a source of alternative cover material

The municipality in association with Drain-All Ltd. accepts household hazardous waste (HHW) at the landfill site on two (2) designated days per year. This is permitted under the landfill Site ECA No. A541506 Condition 2. Residents can also take HHW materials to the HHW Depot at 1853 Frobisher St. in Sudbury.

### 3.5 Waste Disposal

The Noelville Landfill Site is located at 330 Houle Road, on Lot 10, Concession 1 geographic Township of Martland with a total site area of 32 ha. The Site operates under ECA No. A541506 last amended under Notice No. 3 dated April 19, 2013 (maybe No. 4). The service area includes the Municipality of French River and 7 unorganized Townships as shown on **Figure 4**.

As required under ECA No. A541506 Condition 11 the municipality shall submit an annual report by April 30<sup>th</sup> of each calendar year. In addition to the environmental monitoring results, the report is to provide:

- a. Site plans showing the existing conditions and contours, areas of landfilling operation and intended operation, the progress of cover applications and other site activities.
- b. A summary of the type and quantity of all wastes received and/or rejected at the site.
- c. Calculations of the volume of waste, daily, intermediate, and final cover deposited or placed at the site during the reporting period.

Connestoga-Rovers and Associates (now GHD Ltd.) completed the initial investigations and currently the annual reporting. Based on a review of the latest Annual Reports there is no record of landfilling progress, waste materials managed at the site or calculations of cover applications during the reporting period. The following summarizes the design and waste disposal/capacity findings:

- CRA Theoretical Site Capacity of 213,784m<sup>3</sup> (not including final cover), January 2007
  - Landfilling area 2.0 ha (5 acres) depth of waste 4.57 (15 feet), top of waste 11.57m
  - Perimeter berms 4:1 to establish side slopes
- Design and Operations Report (CRA), May 2011
  - Phase 1 capacity 211,895 (not including 18,858m<sup>3</sup> of final cover) provides 23 years life expectancy. The in-place landfilled volume was estimated to be 79,890m<sup>3</sup> based on the 2010 assessment.



- 2013 Annual Report (CRA), May 2014
  - Difficult at this time to provide annual fill rates
  - Assume 2700 tonnes of waste generated approximately 20 to 25 years site life remaining
  
- 2014 Annual Report (CRA), April 2015
  - Filling in the cells constructed in 2013, no survey completed
  - With use of the new compactor, waste density expected to be 0.6 tonnes/m<sup>3</sup>
  - Assume waste generation 0.6 tonnes/person/year and a population equivalent of 4500 would result in 2700 tonnes per year
  - Assume annual waste generation rate is consistent there is 19 to 24 years life remaining
  
- 2015 Annual Report (GHD), October 2016
  - Compare May 2013 and December 2015 survey fill volume of 13,885m<sup>3</sup>, annual fill rate of 5,368m<sup>3</sup> per year
  - Estimated 22.75 years site life remaining
  
- 2016 Annual Report (GHD), May 2017
  - Between February 2007 and December 2015, a fill volume of 42,944m<sup>3</sup> was used, approximately 83,700m<sup>3</sup> capacity remaining
  - Comparison of December 2015 and December 5, 2016 survey estimated a net fill volume of 4,949m<sup>3</sup>
  - Estimated 16.9 years site life remaining
  
- 2017 Annual Report (GHD), December 2018
  - Comparison of December 2016 and December 7, 2017 survey estimated a net fill volume of 4,949m<sup>3</sup>
  - Estimated 15.9 years site life capacity
  -
  
- 2018 Annual Report (GHD), April 2019
  - In 2007 it was estimated that 87,140m<sup>3</sup> of waste was landfilled in the site with approximately 126,644m<sup>3</sup> remaining
  - Comparison of December 11, 2017 to December 7, 2018 estimated a net fill volume of 5,100m<sup>3</sup>
  - Estimated 15.9 years site life capacity
  
- 2019 Annual Report (GHD), April 2020
  - The last survey was completed December 2018, the 2019 survey cancelled due to snowfall
  - Using 2018 figures the estimated site life is 14.9 years

This study does not include a detailed review of the landfill site design and operations other than an acknowledgment of the storage of recyclables for pick up by R & D Recycling and the revenues from the waste diversion and tipping fees at the site.



### 3.6 Waste Management By-Laws

The Recycling By-Law 2005-56 defines the materials to be accepted and fines for improper use. User fees and related by-laws assist municipalities in the implementation of waste management services. Waste Management By-Law No. 2010-26 and the Schedule “E” to By-Law No. 2017-35 address waste disposal operations. These by-laws are included in **Appendix D**. On October 23, 2019, the Environmental Services Department requested that Council direct staff to complete research and report on methods to review the By-Laws.

For the purpose of this report the following highlights main operational components of the by-laws.

#### Recycling By-Law 2005-56

- list of the acceptable recyclable containers, paper and cardboard materials
- restricted to the landfill site and WTS
- no materials to be brought into the Municipality of French River
- no illegal dumping or scavenging
- set fine \$305.00

#### Waste Management By-Law 2010-26

- definition of waste types and associated terms
- restricted to landfill site and WTS
- no materials to be brought into the Municipality of French River
- no illegal dumping or scavenging
- persons access to landfill site and WTS require valid landfill pass or photo identification indicating residency in the municipality
- tipping fees apply
- penalties for improper use of landfill site or WTS and illegal dumping
- set fines \$305.00

#### Tipping Fees and User Charges

- |                               |                        |
|-------------------------------|------------------------|
| - Separation fees             | \$382.00 to \$486.00 + |
| - Tires with rim              | \$6.00                 |
| - Construction and Demolition | \$6.00 to \$110.00 +   |
| - Contaminated Soil           | \$340.00 to \$425.00   |
| - Asbestos                    | \$200.00 +             |
| - Passes                      | \$50.00 to \$1,000.00  |

A notice form in **Appendix D** provides fees and charges for residents and non-residents.

### 3.7 Educational Programs

As described, the Municipality of French River has maintained communication with its ratepayers throughout the evolution of the current waste management system. Each WTS has signage in English and French explaining operational requirements, particularly items which are acceptable for recycling. The sign also provides the hours the landfill site is open.



On the Municipality of French River website there is a Waste Wizard search engine which describes what items are recyclable and what to do with items that are not recyclable. In addition, there is a Sorting Game developed by ReCollect Systems on the website.

### 3.8 Existing Waste Management System Costs

As part of an overall municipal operations review, KPMG (2017) included a cost analysis for solid waste management services for the municipality and comparative municipalities. The source of these figures is based on KPMG analysis of financial information returns in 2015.

Municipality	French River	Killarney	Markstay-Warren	St.-Charles	Mattawa
<b>Operating Costs</b>	\$595,693	\$278,210	\$168,915	\$147,411	\$514,172
<b>User Fees</b>	\$96,588	\$35,440	\$8,610	\$6,975	\$61,681
<b>No. Households</b>	2550	935	1337	963	1052
<b>Cost/Household</b>	\$196	\$260	\$120	\$146	\$430
<b>Cost Recovery</b>	16.2%	12.7%	5.1%	4.7%	12.0%

For the purpose of this study the analysis is limited to the waste and recycling collection system. The unit costs are presented in a rounded format (nearest \$100 or \$50) extracted from available municipal records.

#### Capital Costs 2003-2019

The following lists the major capital expenditures for the establishment of the current waste management system.

\$800,000	(2003) purchase Haul All collection vehicle and 70 bins
unknown	development of waste transfer sites (WTS)
\$18,000+/-	(2015-2016) purchase of used collection vehicle from Seguin Township
\$320,000	(2016) purchase of the 2016 Freightliner with the Haul All OMNI-PAK 24R compactor
\$20,000	(2019) purchase of the 2008 International with the Haul All RP235 container from Laurentian University
\$14,000	(2019) purchase of 14 bins from Laurentian University
\$5000	(2019) purchase of camera for 2 WTS

#### O&M Costs 2019

The following lists the annual operations and maintenance (O&M) costs to implement the current waste management system.

##### Garbage Collection

\$178,250	Labour and expenses for operation of the collection vehicle for waste (averaged from 2018 and 2019 data – 1,770 hours @ \$100.71/hour)
\$28,000	Labour and expenses needed to inspect and clean up WTS on a weekly basis



\$4,200 Miller Waste Services required when bins were frozen to the ground in 2019

#### Recycling Collection

\$83,600 Labour and expenses for operation of the collection vehicle for recyclables (averaged from 2018 and 2019 data – 830 hours @ \$100.71/hour)  
 \$51,300 R&D Recycling pick-up of 122 40 yd<sup>3</sup> bins at the landfill site (258.5 tonnes in 2019)  
 \$5,000 R&D Recycling charge for contaminated loads (67 tonnes in 2019)

#### Maintenance and Administration

\$15,600 Labour for maintenance of the 2016 Freightliner compactor vehicle (averaged from 2018 and 2019 data – 440 hours @ \$35.36/hour)  
 \$1,700 Labour for maintenance of the 2008 International compactor vehicle (averaged from 2018 and 2019 data – 50 hours @ \$35.36/hour)  
 Unknown collection vehicle parts  
 unknown Municipal staff administration of collection system  
 \$2,200 Sorting Game by ReCollect Systems  
 \$12,800 Other Education and Promotion

#### Household Hazardous Waste (HHW) Collection

\$33,900 2 HHW Days

The total O&M cost in 2019 is estimated to be \$416,550, the waste and recycling collection system (without promotion and education and household hazardous waste) was approximately \$367,650

#### Revenues 2019

The following revenues estimated at \$129,930 were generated in 2019

\$31,060 Residential Data Call  
 \$750 Scrap Metal  
 \$3,660 WEEE  
 \$18,980 Household Hazardous Waste reporting  
 \$1,500 Landfill Passes for Non-Residents  
 \$62,580 Tipping Fees at the Landfill Site  
 \$300 Special Waste Collection  
 \$11,100 C&I Bin Collection Fees  
 \$0.00 Fines

## 4.0 WASTE MANAGEMENT SYSTEM ALTERNATIVES

A variety of options to improve the efficiency and effectiveness of the Municipality's waste management system were identified. The alternatives provide for both the diversion of waste and ultimate disposal of residual waste. A list of advantages and disadvantages relative to the other alternatives is provided. Benchmark costs of each alternative are sourced whenever possible. For alternatives which are implemented by neighbouring or similar municipalities, costs for various options are provided. The Statistics Canada population and area data of the municipalities referenced is included in **Appendix F**, the cost and operations summarize are included in **Appendix G** and **Appendix H**.



#### 4.1 Upgrade to the Existing Haul All Collection System

The Haul All system has been operating for over 16 years. An effective collection system should include two (2) reliable collection vehicles if operated by municipal staff to ensure service is provided in the event of one collection vehicle requires maintenance. The five (5) WTSs will have installed the appropriate mix of bins to accommodate the permanent population and then the high seasonal use. This option assumes municipal operation but could involve a contractor selected through a competitive bid process to provide the service.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Operational for 16 years</li> <li>- Familiar with users</li> <li>- Provides 24/7 access to the WTS</li> <li>- Have two (2) operational collection vehicles</li> <li>- Ability to phase in the bin replacement</li> </ul>	<ul style="list-style-type: none"> <li>- Illegal dumping of large items at WTS or waste outside the bins</li> <li>- Regular occurrence of contaminated loads of recyclables</li> <li>- Extensive municipal man hours to collect at the WTS particularly during summer months</li> <li>- High maintenance cost of collection vehicle compactor</li> <li>- Bins occasionally frozen into the ground</li> <li>- Use of WTS by non-residents</li> <li>- Bins need replacement</li> </ul>

Based on consultation with Bill Vanderlinden, NEXGEN Municipal Inc. the following are the cost estimates to replace the system components:

RP235 container	\$191,900
Truck Chassis	\$ 94,000
OMNI PAK compactor	\$250,700
Truck Chassis	\$118,500
70 bins@ \$9000 each	\$630,000

Due to extreme winter freeze and thaw conditions the WTS require drainage improvements and placement of gravel pads for the bins. In 2020 improvements were made to the Public Works Yard and Alban Community Centre. Assume \$2,500 to \$6,500 per WTS location.

#### 4.2 Reduced Number of WTS

The number of WTS has varied over the past 16 years intended to reflect the municipality’s consideration of providing an appropriate level of service to its’ ratepayers based on location and travel time to the WTS. Prior to amalgamation there were 5 waste disposal sites, the current system includes 5 WTS and the Noelville Landfill Site.

The elimination of a WTS location must consider the impact on the ratepayers’ present level of service in comparison to the municipality’s benefit of reduced servicing requirements and related cost for WTS collection and maintenance. To provide an evaluation of the Municipalities operations and service levels, 3 comparative municipalities which operate WTS are considered. Details are provided in **Appendix G**.



The following provides the existing characteristics of the five (5) WTS:

1. Wolseley Bay WTS – 1282 ON-528
  - Located close to Hwy 528 & Ash Bay Rd.
  - Crown land (approx. 0.15 ha)
  - 4 waste bins, 1 recycling and 1 cardboard
  - 6.1 km from landfill site
  - 9 km to closest WTS Public Works Yard
  - Services waterfront residential and commercial development residents
  - Potential use by West Nipissing residents
2. Public Works Yard – 127 St. David St South
  - Located in Noelville
  - Municipal land (approx. 0.17 ha)
  - 13 waste bins, 4 recycling and 4 cardboard
  - 2.7 km from landfill site
  - 9 km from closest WTS Wolseley Bay
  - Services Noelville area residents and businesses
3. Alban Community Centre – 796 ON-64
  - Located in Alban
  - Municipal land (approx. 0.18 ha)
  - 20 waste bins, 4 recycling and 6 cardboard
  - 17.6 km from landfill site
  - 17.1 km closest WTS Public Works yard
  - Services southwestern portion of the municipality including the Highway 69 corridor
  - Potential use by Killarney residents
4. Shaw Road WTS – 2 Shaw Road
  - Located close to Amateewakea River Rd. & Shaw Rd.
  - Crown land (approx. 0.04 ha)
  - 3 waste bins, 1 recycling and 1 cardboard
  - 17.1 km from landfill site
  - 14.4 km to closest WTS Public Works yard
  - Services waterfront and rural residential in northern portion of municipality
  - Potential use by St.-Charles and unorganized Townships
5. Monetville WTS – approx. 7110 ON-64
  - Located close to North Monetville
  - Private land (approx. 0.07 ha)
  - 6 bins garbage, recycling and cardboard
  - 13.6 km from landfill site
  - 13.9 km from closest WTS Public Works yard
  - Services northeastern portion of municipality
  - Potential use by West Nipissing residents



In terms of service delivery, the 3 comparative municipalities with WTS operations have longer travel distances between landfill site and/or WTS than any in the Municipality of French River, see **Appendix G**.

Brudenell, Lyndoch & Raglan	over 20 kms
North Algoma Wilberforce	over 18 kms
Admaston/Bromley	19.5 to 30 kms

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Less travel and labour for collection</li> <li>- Less travel and labour for cleanup</li> <li>- Increases ability to monitor the WTS to ensure operations compliance</li> <li>- Less cost to implement drainage improvements to avoid frozen bins</li> </ul>	<ul style="list-style-type: none"> <li>- Will require an amendment to the ECA</li> <li>- Will reduce level of service to some ratepayers</li> <li>- Requires additional public education</li> </ul>

By extending the hours the landfill site is open to the public, any WTS which is within 10 km could be closed without significant impact on the local residents or businesses. Users of the Wolseley Bay WTS would have to travel an additional 6.0 km to the Noelville Landfill Site. Eliminating the Public Works Yard WTS may affect users in Noelville without vehicles, so the municipality could add these persons to the Special Waste Collection program.

### 4.3 Reduced Hours for WTS

In order to restrict access to the WTS by reducing the hours open to the public, some sites may have to be fenced and/or gated and all sites will require additional signage. Reduced hours should have a minimal impact on the level of service and will allow the municipality the opportunity to monitor operations more efficiently through periodic or full-time supervision.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Ability to monitor WTS operations more effectively through by-law enforcement</li> <li>- Some residents will attend the landfill site as the hours open to the public are more convenient</li> <li>- Could provide partial or full-time supervision</li> </ul>	<ul style="list-style-type: none"> <li>- Perceived reduction in the level of service</li> <li>- Requires additional cost for fencing/gates and signage</li> <li>- May experience illegal dumping at the gate</li> <li>- Requires additional public education</li> </ul>

In terms of service delivery, the 3 comparative municipalities with WTS operations provide the following hours the sites are open to the public, see **Appendix G**.

Brudenell Lyndoch & Raglan	2-3 days/week	8 to 10 hours/week
North Algoma Wilberforce	1-4 days/week	7 to 13 hours/week
Admaston/Bromley	1-3 days/week	8 to 24 hours/week

The following **Table 5** compares the operating hours of the landfill site/WTS for the Municipality of French River and the neighbouring municipalities.

**Table 5: Adjacent Municipalities Comparison of Operating Hours**

Municipality	2016 Population	Total Dwellings	Seasonal Dwellings	% Seasonal	Area km <sup>2</sup>	Landfill Operations	Other Collection
French River	2662	2108	888	42	738	1 site Noeville Mon, Wed, Thurs, Fri and Sat 39 hours/week	5 waste transfer sites 24/7
Killarney	386	388	210	54	1653	1 site close Hartley Bay Summer – Mon, Wed, Fri, Sat and Sunday 24 hours/week Winter – Tues and Sat 8 hours/week	2 other landfill sites
St.-Charles	1269	818	245	30	321	1 site St.-Charles Mon, Wed and Sat 14 hours/week	Curbside Collection Tuesday
Markstay-Warren	2656	1276	165	13	513	1 site Warren Summer - Mon, Wed and Sat 24 hours/week Winter - Wed and Sat 16 hours/week	Curbside Collection Tues, Wed and Thurs.
West Nipissing	14,364	7013	732	10	1994	1 site close Lavinge Tues, Thurs, Sat 20 hours/week	6 other landfill sites and urban curbside collection

All neighbouring municipalities in the Sudbury East Planning Area have designated hours when their landfill site is open to the public to accept waste. In the summer, sites are open 3 or 4 days per week ranging from 20 to 24 hours per week. In the winter, sites are open 2-3 days per week ranging between 8 to 20 hours per week.

In order to restrict access to the WTS when it is not open to the public, fencing and a gate will be required. To limit illegal dumping at the gate, a camera could be used.

#### 4.4 Supervised WTS

This option is only feasible if the number of WTS are reduced and/or the WTS operating hours are reduced. To minimize the manhours required to supervise multiple sites, the hours the WTS are open to the public can be staggered so one or two persons could manage all sites.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Will avoid illegal dumping of bulky waste materials</li> <li>- Will avoid use of the WTS by non-residents</li> <li>- Able to monitor capacity of WTS to schedule pick-up</li> <li>- Able to implement a tipping fee or bag limit program</li> </ul>	<ul style="list-style-type: none"> <li>- May experience illegal dumping when site is not supervised</li> <li>- Will require a dedicated employee to effectively monitor operations</li> <li>- Will add cost to the existing system</li> </ul>



The cost of providing supervised WTS is based on the hours the site is open to the public and possibly additional time for the attendant to compile records of operations and complete site cleanup, as necessary. If there are extended hours a shelter and portable washroom may be required. The attendant would need training in WMIS, Health and Safety and the operational and reporting requirements under the ECA.

A summary of the capital costs to develop a typical WTS using the existing bin system which has restricted access is provided in **Appendix G**. Based on similar municipal WTS operations, an annual operating cost per dwelling is also provided from the comparative municipalities.

#### 4.5 Different WTS Bin and Collection System

There are various bin and collection systems to manage waste, recyclables or both. Bin system sizes range from 8 yd<sup>3</sup> to over 40 yd<sup>3</sup> at WTS operations. Bins may be municipally owned or leased from a haulage contractor. For larger bins ramps, stairs or retaining walls are required to allow users to easily deposit waste and/or recyclables. Waste bins require bear proof lids, many of the larger bins are difficult for some users to open, typically a site attendant opens the lids when the WTS is open to the public. Typically, larger bins, including waste compactors are used when the haul distance to the landfill site or processing centre is significant. The furthest WTS to the Noelville WDS is the Shaw Road WTS approximately 17 kms. R&D Recycling use the 40 yd<sup>3</sup> bins at the landfill site to haul to North Bay a distance of 90 km.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Ability to increase storage capacity at WTS</li> <li>- Reduced frequency for collection</li> <li>- More common bin and collection vehicle system which is easier to maintain and replace</li> </ul>	<ul style="list-style-type: none"> <li>- Will require an amendment to the ECA</li> <li>- Will require capital expenditures for new equipment or tender for service</li> <li>- Most other bin systems require site preparation such as ramps, stairs or retaining walls</li> <li>- Longer waste storage may result in odours</li> <li>- Some of the existing WTS may not accommodate different bin systems</li> <li>- Requires new collection vehicles</li> </ul>

There is a significant range of capital costs to develop a typical WTS using a different bin system and collection vehicle. A cost to develop and operate the 5 WTS from a Request for Proposal (RFP) in 2014 is provided in **Appendix G**. Based on similar municipal WTS operations, an annual operating is provided from the comparative municipalities ranging from \$40 to \$114/dwelling.

#### 4.6 Curbside Collection System

This would eliminate the WTS system. In order to maintain the current 3 waste type collection (waste, mixed recyclables and cardboard/paper) a dual stream collection vehicle would be required. For example, a scheduled pick-up day(s) for waste and mixed recyclables could be collected one (1) week, the next week waste and cardboard/paper. Alternatively, one truck would be dedicated to waste the other recyclables and cardboard/paper.



Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Ability to impose garbage bag limit</li> <li>- Allows collection operator to inspect recyclables to avoid contamination with waste</li> <li>- Forces ratepayers to deliver bulky waste items to the landfill site or for special collection day</li> </ul>	<ul style="list-style-type: none"> <li>- The existing collection vehicles would need to be replaced</li> <li>- Requires access agreement over private roads and/or storage bins for multiple residents</li> <li>- Requires distribution of blue box and black box containers or bags to ratepayers</li> <li>- Unable to pick up the weekend waste throughout the municipality on a Monday</li> </ul>

A summary of the capital costs to implement a municipal curbside collection system is provided in **Appendix H**. Based on similar collection systems annual operating costs is also provided from comparative municipalities ranging from \$77 to \$234/dwelling. In addition, an operating cost from an RFP in 2014 is provided for comparison and a 2020 cost estimate has been determined for the purpose of the analysis.

#### 4.7 Enhanced ICI Collection Program

The industrial, commercial, and institutional (ICI) establishments in the municipality are partially serviced by the existing Haul All collection system on a voluntary basis. There are 16 C&I establishments which have purchased bins compatible to the Haul All Collection vehicle. Others either deposit their waste and recyclables at the 5 WTS or the landfill site. ICI use of the WTS reduces the capacity to accept regular household waste, and it is assumed most businesses have no incentive to separate recyclables (other than maybe cardboard) from their waste.

The preferred waste management system should encourage participation of the majority of ICI establishments to maximize waste diversion from landfilling.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Would be voluntary with incentives or restrictions to use some facilities designed for household waste</li> </ul>	<ul style="list-style-type: none"> <li>- The ICI may not want to incur the additional costs to participate</li> <li>- Some ICI do not have recycling programs</li> </ul>

#### 4.8 Enhanced Waste Diversion Programs

The Municipality of French River has a fairly comprehensive list of materials which are diverted from landfilling. The materials accepted by R&D Recycling are comparable to many rural collection systems. Operations at the landfill site divert the household recyclable materials collected from the WTS and from individual deliveries, and accept tires, scrap metal, propane tanks and WEEE to be transferred for recycling.

The following are some programs which could improve the rate of waste diversion from landfilling: clear plastic garbage bags, fee for garbage bags or bag tags, organics collection and reuse program.



Clear Bag for Garbage Collection

Requiring clear bags allows a site attendant or curbside collector to visually inspect a delivery or load. Clear bags also prompt people to reflect on their waste disposal habits and to consider waste diversion options. In some programs a ‘privacy’ bag is permitted in the clear bag if residents wish to place sensitive private materials.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Minimal cost to implement</li> </ul>	<ul style="list-style-type: none"> <li>- Public may have privacy concerns</li> <li>- The green garbage bags will have no use</li> <li>- Requires promotion and education</li> </ul>

Garbage Bag Fees, Bag Tags or Bag Limits

Applying fees or limits on the amount of waste to be accepted at a WTS or collected forces people to participate in the recycling program in an effort to reduce costs. There are a variety of programs which have been implemented by municipalities to increase their revenue. By implementing a similar program to the neighbouring municipalities there is no incentive for non-residents of the Municipality of French River to use the facilities.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Minimal cost to implement</li> <li>- Minimizes the waste for disposal and maximizes diversion</li> <li>- No incentive for non-residents to use cheaper or more convenient waste facilities</li> <li>- Ability to pay for other programs</li> </ul>	<ul style="list-style-type: none"> <li>- Persons do not like to pay for the service when it was free</li> <li>- Need to establish outlet locations to distribute special bags or tags</li> <li>- Requires promotion and education</li> <li>- Municipal employees need to enforce</li> </ul>

Organics Collection

The municipality diverts leaf and yard waste, and brush from direct landfill. To increase the capture of household organics a Molok system could be established at the WTS. A dedicated vehicle is required to collect organics from the Molok. Alternatively, a curbside collection of household organics could be considered. The City of Greater Sudbury has a green cart program.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Will significantly reduce the waste for disposal (by weight)</li> </ul>	<ul style="list-style-type: none"> <li>- Will require an amendment to the ECA</li> <li>- Requires collection at the WTS Molok, or green cart curbside collection</li> <li>- Requires an end user to produce compost or soil conditioner</li> </ul>



Reuse Materials Program

The establishment of a storage facility for reusable materials at landfill sites are fairly common. Materials should only be left out for say 30 days and if not taken sent for disposal to avoid stockpiling junk.

Some municipalities promote a Reuse Day which allows residents to leave materials at the end of the driveway for free pick up. Materials not taken or wanted then must be delivered to the landfill site.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Easy to implement at the Noelville Landfill Site</li> <li>- Education and promotion is easy</li> </ul>	<ul style="list-style-type: none"> <li>- Require municipal staff to monitor the storage facility and keep clean</li> </ul>

**4.9 Enhanced Education Programs**

In order for any waste diversion operation to reach its maximum efficiency and participation, a well-established and clear communication strategy is required. The municipality has done a good job at providing educational materials to residents and businesses on how to use the existing waste management system, however the issues experienced 15 years ago persist.

The role out of an upgrade to the existing system or new system will require additional promotional materials to clearly detail the municipality’s objectives and how to properly participate.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Educational materials are funded under the WDO or other programs</li> <li>- The Environmental Advisory Committee has already promoted numerous initiatives</li> </ul>	<ul style="list-style-type: none"> <li>- Many residents not aware of the education materials</li> <li>- Approximately 42% are seasonal dwellings and may not have a buy-in to the programs</li> </ul>

The Municipality has recently implemented a spring clean up program (cancelled in 2020) which involved volunteers picking up waste and recyclables in the Noelville and Alban area. The WTS have new signage and bin labels, and pamphlets/flyers are available at the municipal office and landfill site

The following are some other education programs which could improve the actions of the ratepayers and increase the rate of diversion from landfilling:

- send recycling promotion materials with tax bill
- schedule a bulk waste collection day
- schedule a reuse material day



#### 4.10 Enhanced Enforcement Programs

The Municipality of French River is reviewing its current Waste Management and User Fee By-Laws.

Advantages	Disadvantages
<ul style="list-style-type: none"> <li>- Fines are a good education tool</li> <li>- Impose fees for waste and minimize user fees for recycling will encourage waste diversion</li> </ul>	<ul style="list-style-type: none"> <li>- Processing and administrating the fine process requires significant municipal staff resources</li> <li>- Significant labour required to review camera photography at WTS</li> <li>- Photo evidence is difficult to lay fines</li> </ul>

Unfortunately, enforcement and fines may be the best means of educating the general public and ICI on best management practices. The current Municipality of French River enforcement strategy involves the placement of cameras at the Alban Community Centre WTS (2 running 24 hours) and the Monetville WTS (motion censored). In addition, the By-Law Enforcement Officer periodically attends the WTS. The Recycling By-Law 2005-56 and Waste Disposal By-Law 2010-26 establishes a \$305.00 fine for penalties. Any contravention to the provisions of the by-laws and found guilty of an offense and upon conviction shall pay a fine not exceeding \$5,000 and shall be recoverable under the Provincial Offences Act R.S.O. 1990, Chapter P33. Furthermore, any costs and expenses provided by or on behalf of the municipality to clean up shall be charged pursuant to Section 425(1) of the Municipal Act 2001: \$100 minimum charge, \$75 per hour whichever is greater.

The difficulty to enforce the by-laws and impose the fine is that the majority of infractions occur during the evening or early morning. If the camera captures a vehicle license plate, there may be no evidence of the person responsible for the offence and the notice must be served in person within 7 days. To be effective it is best that the offender is caught in the act of illegal dumping at the WTS or improper use of the waste/recycling bins.

## 5.0 CONSULTATION PROGRAM

### 5.1 Study Consultations

In order to obtain a baseline understanding of the current waste management system, Jp2g Consultants Inc. met with the following municipal staff on March 12, 2020:

Robert Martin	Director of Operations
Martin Clouthier	Public Works Manager
Michelle Clark	Administrative Assistant

In addition, a number of WTS were visited, and the operation of the collection vehicle was observed. To obtain some historical perspective on the implementation of the Haul All system and equipment replacement costs Bill Vanderlinden from NEXGEN Municipal Inc. was contacted. Also, Jean-Luc Lebonte of R&D Recycling was contacted to discuss the current recycling collection program and a projected cost to provide curbside collection services.



## 5.2 Municipalities

Municipalities with similar location, geographic setting and/or population characteristics were contacted to obtain information on their waste management systems and through their websites. Statistics Canada data is included in **Appendix F**, waste management collection system information is included in **Appendix G** and **Appendix H**.

## 5.3 Interviews and Presentation

Over the period May 7, 2020 to June 5, 2020 telephone interviews were held with key municipal staff and some members of Council. A draft of the Operations Review 2020 was filed with the municipality and presented to Council on October 7, 2020.

## 5.4 Questionnaire

As part of the waste management operations review, Jp2g Consultants Inc. collaborated with the Municipality of French River to consult with key stakeholders and residents of the municipality. Public consultation is an excellent way to gain valuable input and feedback on the current waste management program and proposed changes.

For the purpose of this waste strategy review the consultation was divided into two questionnaires, one for the key stakeholders in the municipality, and one for the general public.

### Assessment Analysis from Stakeholders

As part of the consultation for key stakeholders, questionnaires and optional phone interviews were available. For this assessment twelve phone interviews were conducted with Jp2g Consultants, and five questionnaires were completed.

Key comments expressed during the phone interviews with various stakeholders included concerns of contaminated recycling bins, illegal dumping of bulky waste and use by non-residents. Other concerns included the excessive maintenance with trucks and high cost to service seasonal cottagers and tourists. Some suggestions to address the problems included the need to monitor the waste transfer sites, have enforcement for illegal behavior, and to promote commercial businesses to use pick-up services to prevent bins from being filled up too quickly.

Key comments and waste activity practices retrieved from the questionnaires indicated the main usage of the Public Work Yard, Shaw Road and the Alban Community Centre. Often visits to the waste transfer sites and landfill are once a week during the winter and summer months, notably on weekends. Some critiques of the current waste system include bin volume (often too full), bin design (not easy to open or accessibility-friendly) and lack of supervision. When questioned on the satisfaction of the current waste system most are overall satisfied with the hours, site locations, costs and number of bins. When asked about changes to the waste strategy most were somewhat agreeable or neutral to the changes with the exception of having a reduction in the number of waste transfer sites, and a reduction to the hours of access, where most strongly disagreed. Some other comments included the suggestion of a composting program, managing the problem with bears, and accessibility to the various sites (i.e. access to a vehicle).

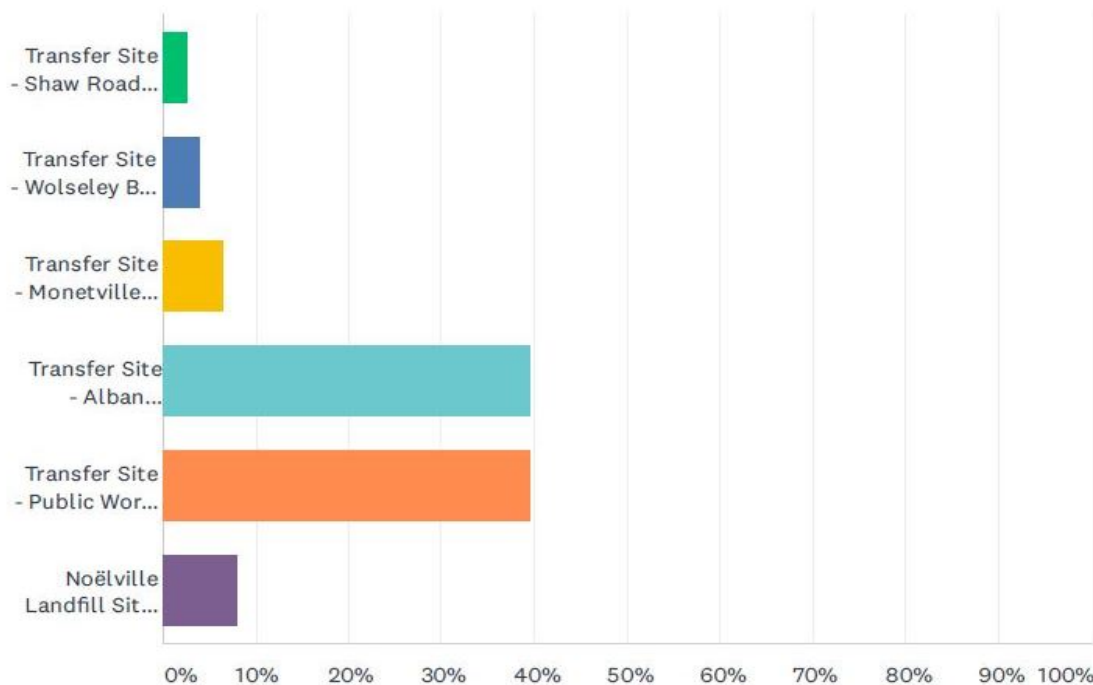


Assessment Analysis from The General Public

The questionnaire was also administered to the general public, via an online survey system *Survey Monkey*. The questionnaire was available for two weeks, to allow for the general public to have a chance to complete the survey. Data was collected and analyzed from 82 participants. The following provides a summary of the results:

A majority of the participants have a primary dwelling in the Municipality of French River. Out of all the Waste Transfer Sites in the municipality the most common sites that are utilized are the Alban Community Centre and the Public Works Yard as shown on the following **Figure 5**.

**Figure 5: Waste Transfer Site Usage**



Note: Data compiled from Survey Monkey, 2020

The survey also assessed the number of visits to the transfer sites, and the months where they were most often visited. Results found that most residents visited the sites 1 to 4 times a month, with November and March as the highest utilized winter months, and September and April as the highest utilized summer months. Most individuals disposed of 1 -2 bags, and often in the mornings (7am to 11am).

When asked about direct delivery to the Noelviile Landfill Site, the highest answer was ‘sometimes’ with the second highest as ‘rarely’. This indicates that for the general public the Waste Transfer Sites are most often utilized. When asked about the satisfaction of the current services, most indicated that they are satisfied, however, some common themes from the comments included the bins being regularly too full, dirty, concern with bears, illegal large item dumping, and difficulty with bin handles/doors. Some suggestions included increase public education programs, having a re-use area and supervised sites.



Some questions indicated that the public is unaware of some of the educational programs, commercial bin pick-up services, and other clean up events. This suggests an area for improvement to increase the resident's knowledge of the various programs provided by the municipality.

When questioned on proposed changes to the current waste management program, a majority of the general public residents do not want any changes. **Table 6** indicates the percentage rates for each proposed question.

**Table 6: Proposed Changes to Waste Management System**

	YES (I AGREE)	NO (I DO NOT AGREE)	I DON'T HAVE AN OPINION	TOTAL
Reducing the amount of locations for transfer sites/blue bins	9.72% 7	80.56% 58	9.72% 7	72
Replace existing bin collection and vehicle system	22.22% 16	51.39% 37	26.39% 19	72
Provide supervised fenced in, and gated waste transfer sites	30.56% 22	56.94% 41	12.50% 9	72
Provide additional Landfill Hours of Operation	31.94% 23	44.44% 32	23.61% 17	72
Curbside Collection - contracted out to Private industry	26.39% 19	63.89% 46	9.72% 7	72
Curbside collection within town limits, and gated/ supervised Transfer sites for out of town limits	27.78% 20	54.17% 39	18.06% 13	72
Status Quo - No changes	55.56% 40	23.61% 17	20.83% 15	72

Note: Data compiled from Survey Monkey, 2020

Although most do not wish to see changes, there are a few issues which have support such as providing supervised fenced in transfer sites and providing additional landfill hours of operation. Overall comment themes indicated that the public is in support of supervised transfer sites and enforcement where needed. A majority do not agree with a fenced in site, as that will increase illegal dumping along the fence line. Other comments recommend establishing a re-use center and improved educational programs.

## 6.0 WASTE MANAGEMENT OPERATIONS ANALYSIS

The Waste Management System Alternatives may be divided into three (3) main headings:

1. Haul All Collection System – the options will be evaluated to identify a preferred option of the system
2. Alternative Collection Systems – the preferred Haul All system will be evaluated against the 2 other options to identify a recommended system
3. Supplemental Programs – options will be evaluated to identify enhancements to the recommended waste management system

The alternatives will be evaluated using the following criteria:

- Performance and Reliability – a proven track record of the system/program (has worked in other similar municipalities) and the ease of implementation by the Municipality of French River
- Social Impact And Acceptability – whether the option would be accepted and/or used by the public
- Cost Effectiveness – the added cost or savings of the option



- Maintaining Environmental Compliance – whether the option complies with provincial or municipal operating standards, and need for education and/or enforcement
- Effect on Waste Diversion – how much additional waste diversion will the option provide

The alternatives were scored on a scale of 1 to 5. The following table describes the rating system for scoring.

**Table 7: Evaluation Criteria**

Criteria	Score Range 1-5		
	1	3	5
Performance and Reliability	No track record difficult to implement	Some success with some effort to implement	Commonly used and easy to implement
Social Impact And Acceptability	Disliked by public	Public would have little or no opinion on the option	Public in favour of option
Cost Effectiveness	High cost or low cost-effectiveness	Little or no additional cost to the current collection system	Option will result in cost savings
Maintaining Environmental Compliance	Difficult to monitor and maintain compliance	Some success with some effort to maintain compliance	Successfully monitored and maintenance of compliance
Affect on Waste Diversion	No improvement to the existing system/program	No or little increase on the waste diversion rate	Large increase in the waste diversion rate

### 6.1 Haul All Collection System Evaluation

The evaluation of the Haul All Collection System options is provided in **Table 8**. The results indicate that the preferred Haul All Collection System would include two (2) vehicles with a side loading container (RP235) with the operation of the five (5) WTS. The Performance and Reliability criteria rating of 3 is similar to the rating of 3 for the existing container/compactor collection vehicle system, due to the limited capacity of the RP235. However, it is expected that maintenance costs will be lower as the RP235 is not prone to operational problems. All other criteria are similar for the collection vehicle options, with a high Social Acceptability, poor Environmental Compliance and no affect on the current Waste Diversion Rate.

### 6.2 Alternative Collection System Evaluation

The evaluation of alternative waste and recyclable collection systems is provided in **Table 9A**. The results indicate that the preferred Haul All Collection System using a 2 vehicle container system with 5 WTS open 24/7 scores lower than a system operating with fewer WTS, with reduced hours and supervision. The preferred collection system serving 5 WTS and increased enforcement will add cost to the existing system and requires improvements to the waste management by-law to improve waste diversion. Uncontrolled access and no site supervision results in poor Performance and Reliability, less Cost Effectiveness, and difficulty in Maintaining Environmental Compliance.



The consideration of replacing the Haul All Collection System with different bins and a collection vehicle is presented in **Table 9B**. In 2014 the Municipality of French River put out a Request for Proposal for Waste Management Collection and Disposal. A proposal cost for providing an attendant at the 5 WTS 3 days per week with camera monitoring was \$300,000 per year. The cost of collecting the proposed 43 8 yd<sup>3</sup> bins twice per week was \$223,600 per year. This cost did not include the ICI collection. The cost per dwelling in 2015 would be \$248.00. The results may be better Performance and Reliability and Less Cost Effectiveness while the other criteria rate similar with controlled access and supervision of the WTS.

The consideration of replacing the WTS collection system with curbside collection is presented in **Table 9B**. In response to the 2014 RFP a proposed cost was received to provide curbside collection of waste and recyclables at \$287,810 per year. The cost per dwelling in 2015 was estimated at \$114. Applying a 2% increase per year the 2020 cost would be \$317,765, approximately \$150 per dwelling. This option should achieve the highest rate of Waste Diversion and has been adopted by all neighbouring municipalities. Implementation may not be Socially Acceptable due to the change and could be more expensive than a municipally operated system.

The Municipality of French River may consider a phased in approach of implementing curbside collection of recyclables to maximize the opportunities under the Resource Recovery and Circular Economy Act, 2016 (RRCEA, 2016). In August 2019, the Minister directed the RPRA to wind up the current blue box program over a three-year period from January 1, 2023 to December 31, 2025. The replacement program, yet to be determined, will involve the regulation of packaging and paper products under the RRCEA, 2016.

### 6.3 Alternative Collection Program Evaluation

The results of the evaluation of alternative waste and recycling collection system programs is provided in **Table 10**. The intent is not select one over another but illustrate how the options address the study objectives.

## 7.0 RECOMMENDED WASTE MANAGEMENT COLLECTION SYSTEM

Based on the evaluation of options, this report recommends a waste and recycling collection system and several programs to promote waste diversion from disposal.

The system options range in complexity to implement and their costs; therefore, initiatives which require few resources and are relatively easy to develop and maintain have been recommended in the short term, and those initiatives that require more planning and financial resources for implementation have been recommended over the long term.

### 7.1 Short Term Recommendations

While the Haul All Collection System has resulted in numerous operational issues and associated additional costs, its total replacement with a new and different system is not recommended in the short term. Based on the results of the evaluation process, the following initiatives are recommended for implementation in the short term (1-3 years).

9. Develop three (3) WTS which are fenced and operated with supervision for approximately 24 to 30 hours a week in the summer and between 16 and 20 hours in the winter.



- in order to service the residents and businesses located over 10 km from the Noelville Landfill site the Alban Community Centre, Monetville and Shaw Road WTS should be upgraded and operated according to best management practices
  - the Monetville WTS 0.07 ha is located on private land and the Shaw Road WTS 0.04ha is located on Crown land. Additional tree clearing and expansion may not be permitted
10. Store the bins from the closed WTS for replacements.
- the closure of the Noelville Public Works and Wolseley Bay WTS will provide 16 waste bins, 4 recycling bins and 5 cardboard and paper bins
11. Maintain current collection vehicles, with less sites will reduce time for collection.
- The closure of the Noelville Public Works and Wolseley Bay WTS will eliminate the need to collect from approximately 2000 waste bins and 1000 recycling bins per year
12. Review the Waste Management System ECA operations, monitoring and reporting requirements to ensure environmental compliance.
- the ECA should be amended to reflect the new system and current best management practices
13. Revise current operating hours at the landfill site to add Sunday hours which will capture seasonal cottagers and campers etc. who used the Noelville Public Works and Wolseley Bay WTS.
- provide supervision for the deposit of mixed recyclables and cardboard/paper at the landfill site to minimize potential of contaminated loads
14. Enhanced Waste Collection and Diversion Programs.
- promotion of ICI participation in recycling and consideration of a user/tipping fee for residential and ICI waste will assist in the increase of waste diversion from disposal
  - supervised sites will eliminate use by non-residents without a pass and the bulky waste deliveries to WTS by ICI and residents
  - the evaluation does not recommend implementing organic collection, as they do not have good public support or success in WTS or rural collection systems
15. Develop a Promotion and Educational program to inform users of the WTS and landfill site operations.
- the Environmental Advisory Committee can assist in this initiative
16. Update the Waste Management By-Law and User Fees By-Law to reflect the new program.
- The municipality is presently investigating the means of updating the By-Laws



## 7.2 Optional Mid-Term Alternatives

The short-term recommendations assume that the Alban Community Centre, Monetville and Shaw Road WTS can be upgraded to provide controlled access and supervision. It is assumed that the Monetville and Shaw Road WTS could be expanded to increase the number of bins, from 6 and 5 respectively to approximately 10 to 12 each. These WTS improvements will significantly reduce the municipal costs for waste and recyclables collection, and these savings may be applied for the WTS attendant labour costs.

In addition, the Municipality may consider development of the reuse facility at the Noelville Landfill Site.

In preparation for the short and mid-term recommendations for the 3WTS, the Municipality should:

- Assess the feasibility of expanding the Monetville WTS for 10 to 12 bins, which may require a long-term lease or land purchase.
- Assess the feasibility of expanding the Shaw Road WTS for 10 to 12 bins, which may require a Land Use Permit.
- If one or both are not feasible determine if there are other suitable locations.
- The development of the Alban Community Centre WTS should consider whether recycling curbside collection service may be extended into the Alban area in the long-term.
- The system changes must be conveyed to the directly affected users and all ratepayers through a promotion and education program.

In order to initiate the most effective collection system for recyclables which maximizes waste diversion and will address the province's RPPRA objectives, the Municipality could implement curbside collection for the Noelville and Wolseley Bay areas. The collection of recyclables by a contractor would be a Pilot Test program to determine the waste diversion rate for an urban setting (334 dwellings) and rural area (118 dwellings). This could also help alleviate any concerns and objection to the closure of the WTS servicing these areas. The contractor would collect the recyclables and haul directly to a processing centre which would eliminate the current collection and deposit at the landfill and then transfer to a processing centre.

In preparation of the recycling collection pilot test program, the Municipality should:

- Solicit interest in the Noelville and Wolseley Bay area to obtain curbside collection rather than deposit at the Noelville Landfill Site.
- If satisfactory circulate promotion and educational materials prior to the program initiation.
- Establish a recording program for at least six months.
- Have the contractor maintain records of recyclable material quantities from the urban and rural collection areas.
- Have the landfill site maintain records of the household waste delivered to the Noelville Landfill Site for each area.
- Summarize waste to recycling material ratio by the estimate of quantities by volume.

## 7.3 Long Term Recommendations

Based on monitoring the performance, acceptability, cost, environmental compliance, and effect on waste diversion of the upgraded Haul All Collection System and Pilot Test recycling collection program, the Municipality may consider the following waste and recyclables collection initiatives recommended for the long term.



5. Once the new WTS and collection schedule is in place and the municipality's education and enforcement programs have had time to work, the municipality should determine the replacement schedule for the bins if operation of 2 or 3 WTS is to continue.
6. The replacement of the collection vehicle equipped with the RP235 container will depend on life expectancy and the long-term strategy.
7. Based on the waste diversion results of the short and mid-term recommendations which should include limited illegal dumping, no use by non-residents (without a pass), and minimal recycling contaminated loads, in the next contract for recyclables collection, ask that collection be provided at the WTS with different bins and/or preferably expand the curbside collection into the urban Alban area or the entire municipality.
8. The long-term strategy could be that the municipality is responsible for the collection and disposal of waste, and a contractor collects the mixed recyclables and cardboard/paper and transfers to an end market use.

#### 7.4 Cost of the Recommended System

The total cost of operating the current (2019) waste and recycling collection system is approximately \$416,550. The cost is almost \$200 per household to manage approximately 4088m<sup>3</sup> of waste and 191 tonnes of recyclables, and to provide the household hazardous waste and the promotional and educational programs. The annual collection cost is estimated to be \$367,650 at \$174 per household.

##### **Short-Term Costs**

The following is a summary of costs to upgrade and improve the existing Haul All Collection System and a preliminary estimate of operating costs for the short-term recommendations is shown on **Table 11**. Details are provided in **Appendix I**.

The proposed capital costs to develop the Alban Community Centre, Monetville and Shaw Road WTS is \$50,600. The works include drainage improvements, security, an attendant shelter and new signage. The cost estimates were developed from Google Map and site conditions were not confirmed in the field. The material/labour costs were provided by the municipality.

The proposed operating cost for collection (without promotion and education and household hazardous waste) is \$301,170 approximately \$143 per household. This cost is higher than the 3 comparative municipalities, which operated 2 WTS, and maybe over inflated as collection costs are based on a calculated cost per bin based on the existing system which is not as efficient as the recommended collection system. It is important to note that the operating costs for the Collection System are subject to tender results and will change. For instance, the cost of recycling collection and then transfer for processing will increase as more recyclables are diverted from disposal, but waste collection costs will decrease. As it takes time for the Municipality to foster an increased recycling rate, the longer-term recommendations maybe considered.

**Table 11: Short-Term Recommended System Costs**

Recommendation	Capital Cost	Annual Operating Cost
1. Develop and Operate 3 WTS	\$50,600	Wages \$60,800
2. Closure of 2 WTS	\$0.00	\$0.00
3. Collection System	\$0.00	WTS Waste \$109,410 WTS Recycling \$92,430 C&I \$29,880 Vehicle Maintenance \$8,650
4. ECA Amendment	\$ Application and Application Fee To be determined	\$0.00
5. Landfill Site	\$0.00	\$ Potential shift of hours for Sunday operations
6. Waste Collection and Diversion Programs	\$0.00	Household Hazardous Waste \$33,900
7. Promotion and Education Programs	\$0.00	Sort Game \$2,200 Other Programs \$12,800
8. Update By-Laws and Enforcement	\$0.00	\$ To be determined
<b>TOTALS</b>	<b>\$50,600</b>	<b>\$350,070</b>

### Optional Mid-Term Costs

The cost of the feasibility study and design for development of 3 WTS is dependent on whether it is completed by municipal staff or a consultant/contractor. The results will clearly define the capital costs which will refine the figures used in **Appendix I** to reflect the WTS layouts, site conditions and material/labour costs. The cost of the Recycling Pilot Test Program will be determined through a tender process.

### Long-Term Costs

**Table 12** provides a summary of estimated costs to implement the long-term recommendations. The strategy is intended maximize the opportunities for waste diversion in the most cost-effective manner. The capital costs shown in **Table 12** are based on consultation with NEXGEN Municipal Inc. The operating costs provided consider what is reasonable based on the costs developed in **Appendix I** in reference to comparable municipalities providing a similar level of service. The annual cost of the Long-term municipal waste and contractor recycling collection system (not including HHW and promotion and education) may be \$235,945 per year which is approximately \$112 per dwelling.



**Table 12: Long-Term Recommended System Costs**

Recommendation	Capital Cost	Annual Operating Cost
1. Operate 2 WTS	\$0.00	\$35,840
2. Replacement of Bins	Not as many bins require replacement say 10 @ \$9000 each = \$90,000	\$0.00
3. Replacement of Collection Vehicle with RP235	\$285,900	\$0.00
4. Municipal Waste Collection	\$0.00	\$50,100
5. Expand Recycling Collection Contract	\$0.00	\$150,000

**Notes:**

1. Monetville and Shaw Road Labour, 2020 dollars.
2. NEXGEN Municipal Inc. cost per bin, 2020 dollars.
3. NEXGEN Municipal Inc. vehicle with RP235, 2020 dollars.
4. Includes 2 WTS and existing C&I participants, 2020 dollars.
5. Pending success of Pilot Program and tender process.

The Waste Management Operations Review has included a thorough review of the development of the waste and recycling collection system, existing practices, constraints and opportunities.

The proposed recommendations are intended to resolve the operational and environmental compliance issues which have existed and evolved since the Haul All Collection and WTS system was initiated. The objective is to use the Haul All collection system more effectively over the short-term through its useful life cycle, with the option as a long-term solution still operated by the Municipality. Several suggested initiatives are in response to changes in the Province’s transition of waste diversion programs. Maximizing the Municipality’s effectiveness of having the recyclables collected and transferred by a contractor to a processing centre with limited potential of contaminated loads will be more cost-effective. The current waste and recycling collection system is expensive and does not comply with current Provincial regulations and guidelines. The recommendations are presented to provide flexibility for the Municipality to take advantage of future opportunities to further increase the performance and convenience of the system.

**Jp2g Consultants Inc.**  
**Engineers • Planners • Project Managers**

Andrea Sare, C.Tech., EPT  
 Environmental Technician

Kevin Mooder, MCIP RPP  
 Principal | Environmental Services



## REFERENCES

Conestoga – Rovers & Associates (2007) Draft Waste Management Master Plan, April 27, 2007

Conestoga – Rovers & Associates (2011) Design and Operations Report Noelville Landfill Site, May 2012

Conestoga – Rovers & Associates (2012-2015) 2010-2014 Monitoring and Operations Reports

Conestoga – Rovers & Associates (2013) Waste Disposal Environmental Assessment Report, December 10, 2013

GHD Ltd. (2016-2020) 2015-2019 Monitoring and Operations Reports

Jp2g Consultants Inc. (2020) 2019 Annual Reports and Consultation with:

- Township of Admaston/Bromley
- Township of Brudenell, Lyndoch and Raglan
- Township of South Algonquin
- Municipality of Marmora and Lake
- North Algona Wilberforce Township
- Township of Whitewater Region
- Town of Mattawa

KPMG (2017) Corporation of the Municipality of French River Operational Review, March 2, 2017

Ministry of the Environment, Conservation and Parks (2016) Resource Recovery and Circular Economy Act, 2016

Municipality of French River (2013) Community Strategic Plan 2013-2018

Municipality of French River (2020) Website

Municipality of Killarney (2020) Website

Municipality of Markstay-Warren (2020) Website

Municipality of St.-Charles (2020) Website

Municipality of West Nipissing (2020) Website

Municipality of East Ferris (2020) Website

Resource Productivity & Recovery Authority (2020) 2020 Business Plan

Statistics Canada (2020) Website

## TABLES

**Table 8 Evaluation of the Haul All Collection System Options**

Options	Criteria					Total Score
	Performance and Reliability	Social Impact and Acceptability	Cost Effectiveness	Maintaining Environmental Compliance	Affect on Waste Diversion	
<b>Existing Vehicles and Existing 5 WTS</b>	<p>3</p> <ul style="list-style-type: none"> <li>- OMNI-PAK compactor not reliable</li> <li>- Requires weekly clean-up of WTS</li> <li>- Bins freeze into the ground</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Familiar to users</li> <li>- Bins are often full</li> <li>- WTS access 24/7</li> </ul>	<p>2</p> <ul style="list-style-type: none"> <li>- Maintenance of WTS and collection vehicles high</li> <li>- Contaminated recycling loads</li> </ul>	<p>2</p> <ul style="list-style-type: none"> <li>- No annual reporting to MECP</li> <li>- Illegal dumping of bulky waste</li> <li>- Use by non-residents</li> <li>- Difficult to monitor WTS operations for by-law compliance</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Contaminated recycling bin loads</li> </ul>	14
<b>2 Vehicle Container System and Existing WTS</b>	<p>3</p> <ul style="list-style-type: none"> <li>- RP235 container more reliable but limited to 7 bin capacity</li> <li>- Requires weekly clean-up of WTS, bins freeze</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- No affect on users</li> <li>- Bins are often full</li> <li>- WTS access 24/7</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Maintenance of WTS required</li> <li>- Less vehicle maintenance</li> <li>- Contaminated recycling loads</li> </ul>	<p>2</p> <p>(Same as above)</p>	<p>3</p> <p>(Same as above)</p>	16
<b>2 Vehicle Compactor System and Existing WTS</b>	<p>2</p> <ul style="list-style-type: none"> <li>- OMNI-PAK not reliable</li> <li>- Capable of collecting 20 bins per trip</li> <li>- Requires weekly clean-up of WTS, bins freeze</li> </ul>	<p>4</p> <p>(Same as above)</p>	<p>2</p> <ul style="list-style-type: none"> <li>- Maintenance of collection vehicle compactors higher than existing</li> <li>- Contaminated recycling loads</li> </ul>	<p>2</p> <p>(Same as above)</p>	<p>3</p> <p>(Same as above)</p>	13
<b>1 Vehicle Collection System and Existing WTS</b>	<p>2</p> <ul style="list-style-type: none"> <li>- If break down no replacement</li> </ul> <p>(Same as above)</p>	<p>4</p> <p>(Same as above)</p>	<p>2</p> <ul style="list-style-type: none"> <li>- If break down need contractor</li> <li>- Contaminated recycling loads</li> </ul>	<p>2</p> <p>(Same as above)</p>	<p>3</p> <p>(Same as above)</p>	13

**Table 9A Evaluation of Alternative Collection System Options**

Options	Criteria					Total Score
	Performance and Reliability	Social Impact and Acceptability	Cost Effectiveness	Maintaining Environmental Compliance	Affect on Waste Diversion	
<b>2 Vehicle Container System and Existing 5 WTS</b>	<p>3</p> <ul style="list-style-type: none"> <li>- 1 14-year old reliable collection vehicle, need a replacement</li> <li>- Requires weekly clean-up of WTS</li> <li>- Bins freeze into the ground</li> <li>- Requires bin replacement</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Familiar to users</li> <li>- Bins are often fill</li> <li>- WTS access 24/7</li> </ul>	<p>2</p> <ul style="list-style-type: none"> <li>- Extensive travel for WTS collection</li> <li>- Maintenance of WTS required weekly</li> <li>- Contaminated recycling loads</li> </ul>	<p>2</p> <ul style="list-style-type: none"> <li>- No annual reporting</li> <li>- Illegal dumping of bulk waste</li> <li>- Use by non-residents</li> <li>- Difficult to monitor WTS operations for by-law compliance</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Contaminated recycling bin loads</li> </ul>	14
<b>2 Vehicle Container Systems, 5 WTS and Increased Enforcement</b>	<p>3</p> <p>(Same as above)</p> <ul style="list-style-type: none"> <li>- Not effective WTS open 24/7</li> </ul>	<p>3</p> <p>(Same as above)</p> <ul style="list-style-type: none"> <li>- Fines may be acceptable if by-laws changed</li> </ul>	<p>1</p> <p>(Same as above)</p> <ul style="list-style-type: none"> <li>- Requires additional labour</li> </ul>	<p>2</p> <p>(Same as above)</p> <ul style="list-style-type: none"> <li>- Most offences occur in the night difficult to impose fines</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Fines may be a good educational tool</li> </ul>	13
<b>Reduced Number of WTS to 2 or 3 Sites</b>	<p>4</p> <ul style="list-style-type: none"> <li>- Common in many municipalities</li> <li>- Less collection time required</li> <li>- Will require less bin replacement</li> <li>- Ability to monitor WTS performance</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Some residents and businesses will perceive as an inconvenience to travel further</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Less cost for WTS collection</li> <li>- Less weekly maintenance cost of WTS</li> <li>- Contaminated recycling loads from WTS will continue</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Revise ECA</li> <li>- More ability to monitor illegal dumping and use by non-residents</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Those users will go to the supervised landfill site</li> <li>- Ability to monitor deliveries to minimize contamination</li> </ul>	18
<b>Reduced Hours and Supervision of WTS</b>	<p>5</p> <ul style="list-style-type: none"> <li>- Common in all municipalities</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Residents and businesses will perceive as a reduction in the level of service</li> <li>- WTS should be open Sundays in the summer</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Will require gate and fencing</li> <li>- Require employee or employees which may be part-time work</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Revise ECA</li> <li>- Ability to provide partial or full-time supervision</li> <li>- Will eliminate illegal dumping at bins and use by non-residents</li> <li>- Dumping after hours outside the gate may occur</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Ability to monitor deliveries to minimize contamination</li> </ul>	19

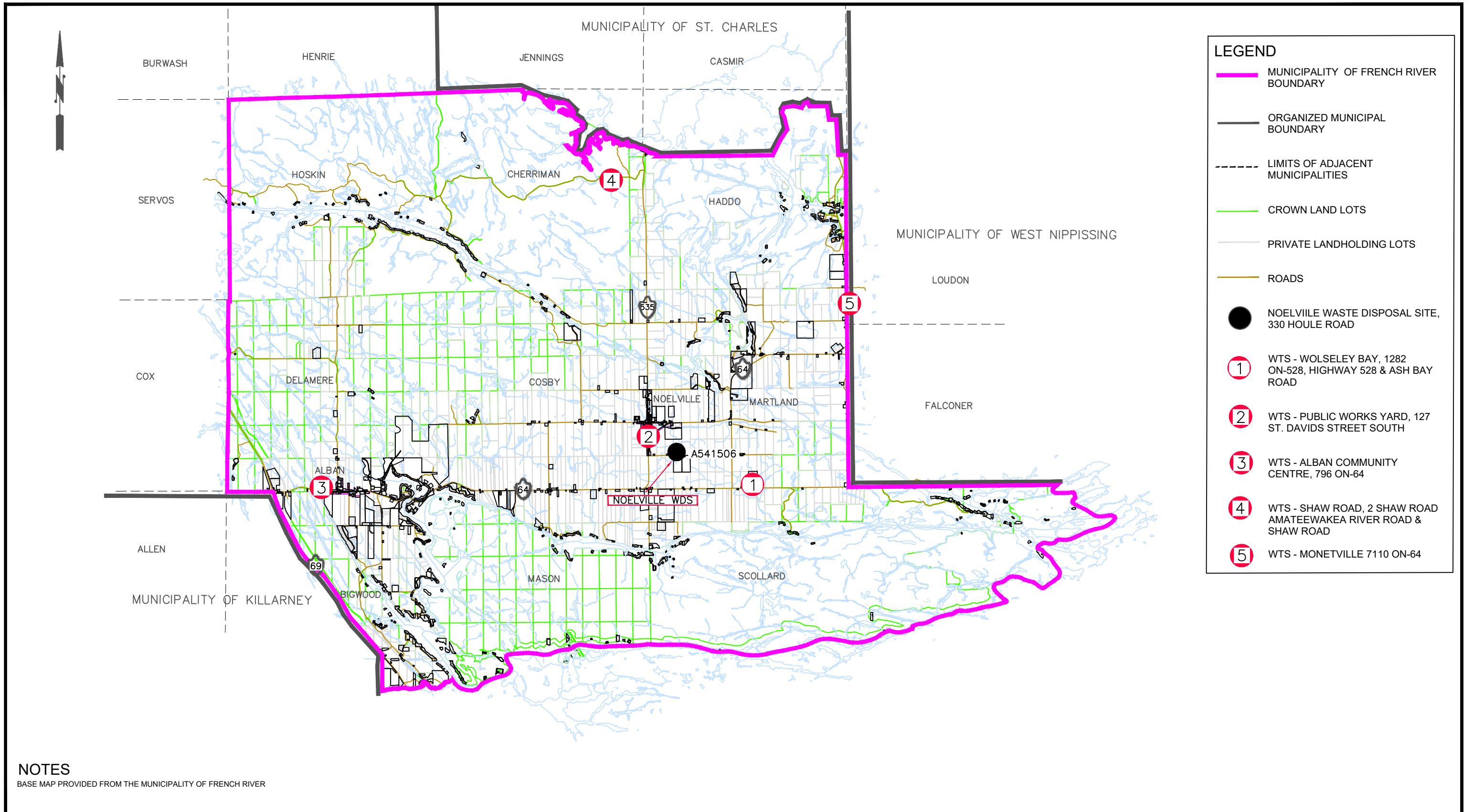
**Table 9B Evaluation of Alternative Collection System Options**

Options	Criteria					Total Score
	Performance and Reliability	Social Impact and Acceptability	Cost Effectiveness	Maintaining Environmental Compliance	Affect on Waste Diversion	
<b>Preferred Haul All 2 Collection System with 2 or 3 WTS</b>	<p style="text-align: center;">3</p> <ul style="list-style-type: none"> <li>- 1 reliable collection vehicle</li> <li>- Requires less weekly clean-up of WTS</li> <li>- Bins freeze into the ground need drainage improvements</li> <li>- Requires bin replacement</li> </ul>	<p style="text-align: center;">3</p> <ul style="list-style-type: none"> <li>- Familiar to users</li> <li>- Limited access to WTS requires promotion and education</li> </ul>	<p style="text-align: center;">4</p> <ul style="list-style-type: none"> <li>- Less travel for WTS collection</li> <li>- Attendant maintenance of WTS</li> <li>- Minimize contaminated recycling loads</li> </ul>	<p style="text-align: center;">3</p> <ul style="list-style-type: none"> <li>- requires annual reporting</li> <li>- less illegal dumping</li> <li>- Better monitoring WTS operations for by-law compliance</li> </ul>	<p style="text-align: center;">4</p> <ul style="list-style-type: none"> <li>- WTS with supervision to minimize contamination</li> </ul>	17
<b>Different WTS Bin and Collection System</b>	<p style="text-align: center;">4</p> <ul style="list-style-type: none"> <li>- Common in many municipalities</li> <li>- Less collection time required</li> <li>- Ability to contract out the service</li> <li>- Not all WTS can accommodate different bins</li> </ul>	<p style="text-align: center;">3</p> <ul style="list-style-type: none"> <li>- Existing C&amp;I using the Haul All bins will need to purchase new bins</li> <li>- Most larger bins require stairs, ramps etc. for deposit of materials resulting in accessibility concerns for some</li> </ul>	<p style="text-align: center;">1</p> <ul style="list-style-type: none"> <li>- Large capital cost if municipal operated</li> <li>- Limited return on sale of Haul All equipment</li> <li>- Require site improvements at WTS</li> <li>- More efficient collection</li> </ul>	<p style="text-align: center;">3</p> <ul style="list-style-type: none"> <li>- Revise ECA</li> <li>- Longer storage may result in odours</li> <li>- Requires promotion and education</li> </ul>	<p style="text-align: center;">4</p> <ul style="list-style-type: none"> <li>- WTS with supervision to minimize contamination</li> </ul>	15
<b>Curbside Collection</b>	<p style="text-align: center;">4</p> <ul style="list-style-type: none"> <li>- Common in many municipalities</li> <li>- Eliminates WTS operational problems</li> <li>- Ability to contract out the service</li> <li>- Cannot service all cottagers, campgrounds, lodges on a Sunday or Monday</li> </ul>	<p style="text-align: center;">2</p> <ul style="list-style-type: none"> <li>- Residents do not want to lose the WTS</li> <li>- Users need blue box or other containers</li> <li>- Require agreements for access on private roads and/or storage for locations not accessible</li> <li>- Not compatible with all ICI waste programs</li> </ul>	<p style="text-align: center;">3</p> <ul style="list-style-type: none"> <li>- Large capital cost if municipal operated</li> <li>- Limited return on sale of Haul All equipment</li> <li>- May be similar cost as a WTS system if contractor operated</li> </ul>	<p style="text-align: center;">3</p> <ul style="list-style-type: none"> <li>- Need ECA</li> <li>- Ability to monitor recyclables before collection</li> <li>- Requires promotion and education</li> </ul>	<p style="text-align: center;">4</p> <ul style="list-style-type: none"> <li>- Potential to increase the rate of diversion through programs which promote recycling for the resident and business</li> <li>- The Blue Box program may transition to producer responsibility</li> </ul>	16

**Table 10 Evaluation of Alternative Collection Program Options**

Options	Criteria					Total Score
	Performance and Reliability	Social Impact and Acceptability	Cost Effectiveness	Maintaining Environmental Compliance	Affect on Waste Diversion	
<b>Enhanced ICI Collection Program</b>	<p>4</p> <ul style="list-style-type: none"> <li>- Common in many municipalities</li> <li>- Currently 16 C&amp;I establishments participate</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Public generally in favour</li> <li>- ICI may not be in favour of mandatory participation</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Attempt to achieve full cost recovery</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Some ICI do not promote recycling as part of their operations</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- May increase diversion rate</li> </ul>	17
<b>Enhanced Waste Diversion Programs</b>	<p>4</p> <ul style="list-style-type: none"> <li>- Common in many municipalities</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Public in favour of some programs</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Will have some increased cost, less cost for contaminated loads</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Will require promotion and education to implement</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Will increase diversion rate</li> </ul>	20
<b>Enhanced Education Programs</b>	<p>4</p> <ul style="list-style-type: none"> <li>- Correlation between promotion and education and effective operations</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Public generally in favour</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Will have some increased costs</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Will assist in compliance</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Required to support operations and other programs</li> </ul>	18
<b>Enhanced Enforcement Programs</b>	<p>4</p> <ul style="list-style-type: none"> <li>- Implemented through updated by-laws</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Public generally in favour</li> </ul>	<p>3</p> <ul style="list-style-type: none"> <li>- Attempt to achieve full cost recovery</li> <li>- Application of fines is labour intensive</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Will assist in compliance</li> </ul>	<p>4</p> <ul style="list-style-type: none"> <li>- Required to minimize illegal dumping and use by non-residents</li> </ul>	18

## FIGURES



**MUNICIPALITY OF FRENCH RIVER  
WASTE MANAGEMENT OPERATIONS REVIEW**

**WASTE TRANSFER SITES**

**Jp2g Consultants Inc.**  
ENGINEERS • PLANNERS • PROJECT MANAGERS

12 INTERNATIONAL DRIVE, PEMBROKE, ON Phone: (613)735-2507, Fax:(613)735-4513  
1150 MORRISON DRIVE, SUITE 410, OTTAWA, ON Phone: (613)828-7800, Fax: (613)828-2600

DESIGNED: AS	PROJECT No.: 20-6095A
DRAFTED: AS	REVISION DATE: 04-08-2020
CHECKED: KM APPROVED: KM	REVISION No.: .
SCALE: NTS	FIGURE 1

# Municipality of French River

## Waste Transfer Sites - Bin layout

2019-2020 Locations and bin types provided by municipality.

Legend:

- C: Cardboard and Paper
- R: Recycling
- W: Household Waste
- T: Total

Total:

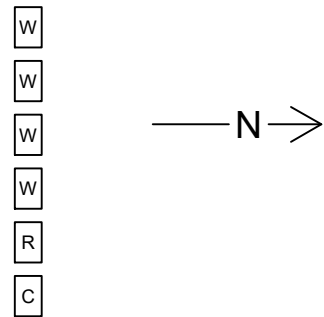
- C: 13
- R: 11
- W: 43
- T: 67

Date: July 29, 2020

Scale: Not to Scale

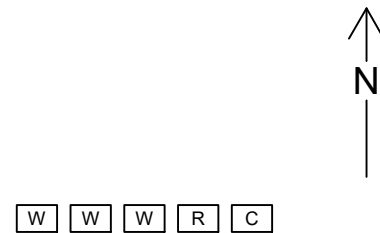
Draftsman: Martin Clouthier  
Rev: A.S. Jp2G Consultants

### North Monetville



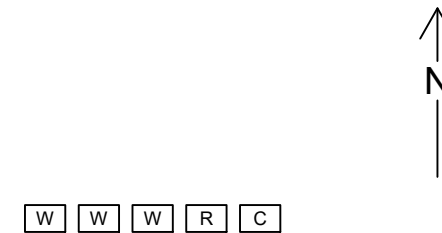
Hwy 64

### Wolseley Bay



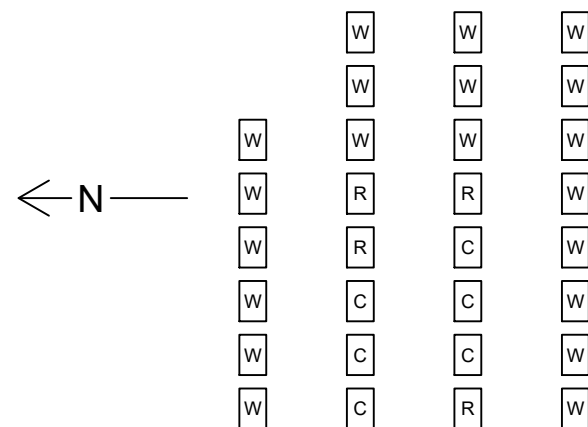
Hwy 528

### Shaw Road



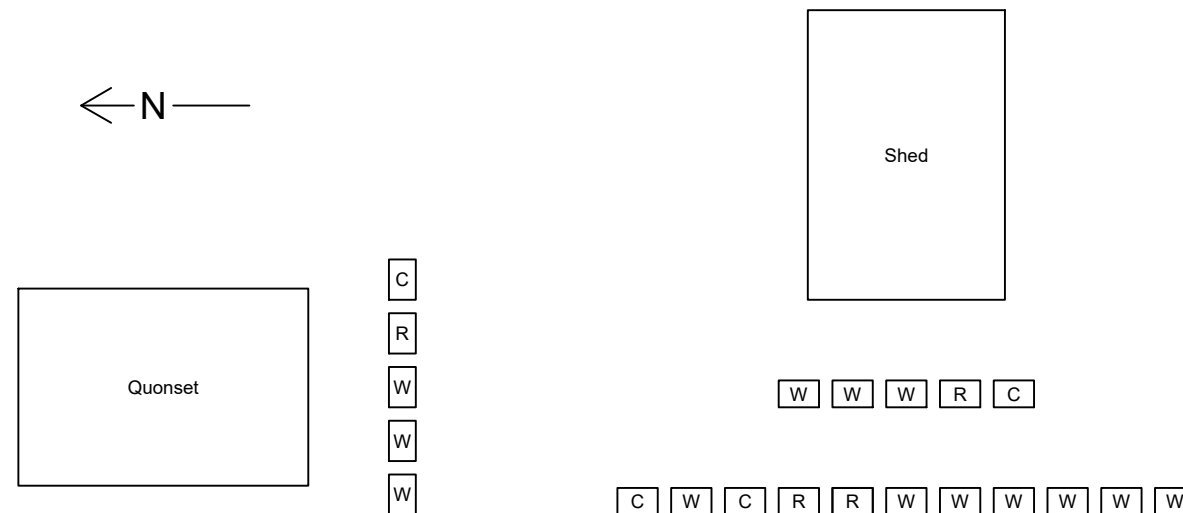
Ch. Shaw R.

### Alban Community Centre

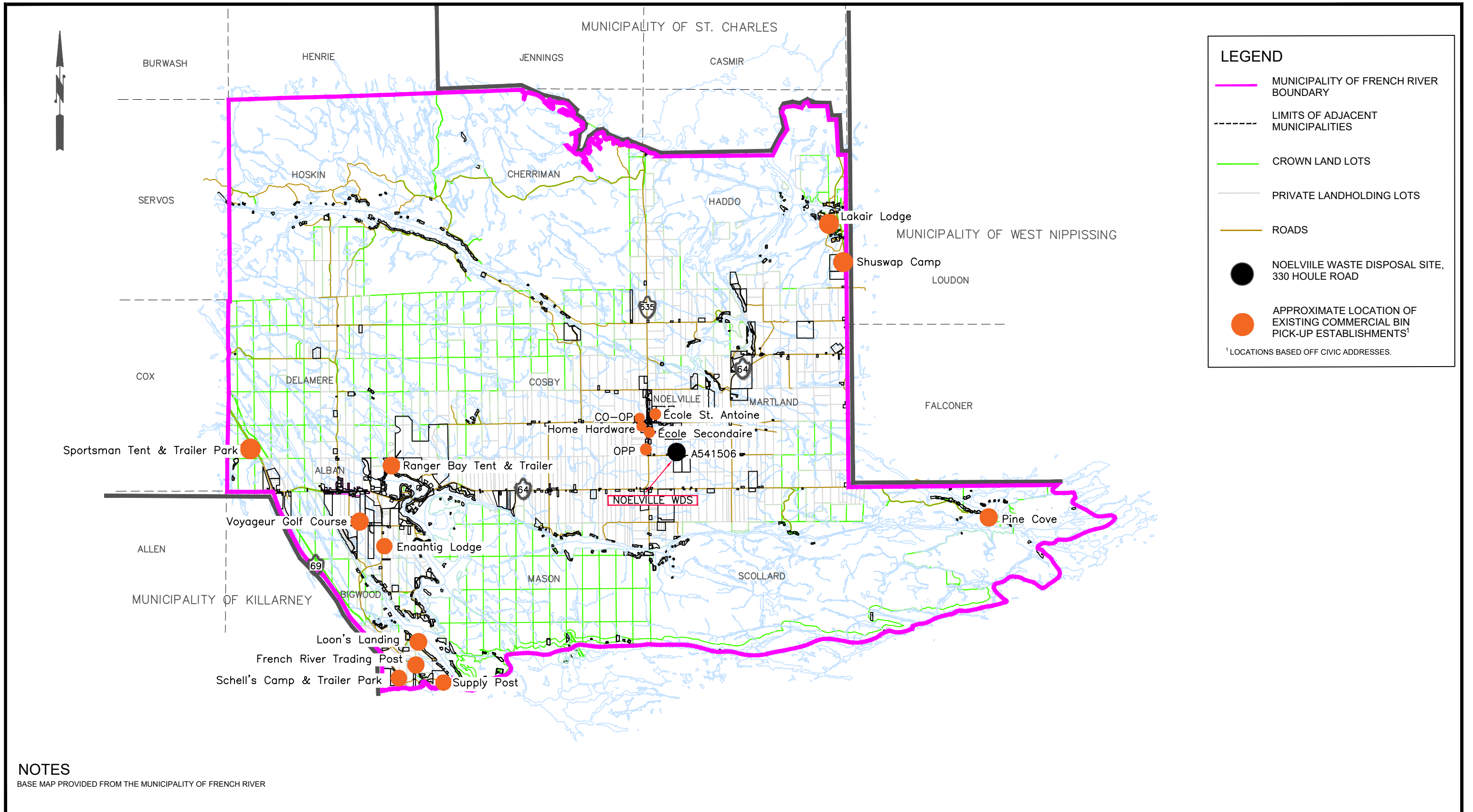


Alban Community Centre

### Noëlville Public Works Yard



Hwy 64



**LEGEND**

- MUNICIPALITY OF FRENCH RIVER BOUNDARY
- - - - - LIMITS OF ADJACENT MUNICIPALITIES
- CROWN LAND LOTS
- PRIVATE LANDHOLDING LOTS
- ROADS
- NOELVILLE WASTE DISPOSAL SITE, 330 HOULE ROAD
- APPROXIMATE LOCATION OF EXISTING COMMERCIAL BIN PICK-UP ESTABLISHMENTS<sup>1</sup>

<sup>1</sup> LOCATIONS BASED OFF CIVIC ADDRESSES.

**NOTES**  
 BASE MAP PROVIDED FROM THE MUNICIPALITY OF FRENCH RIVER

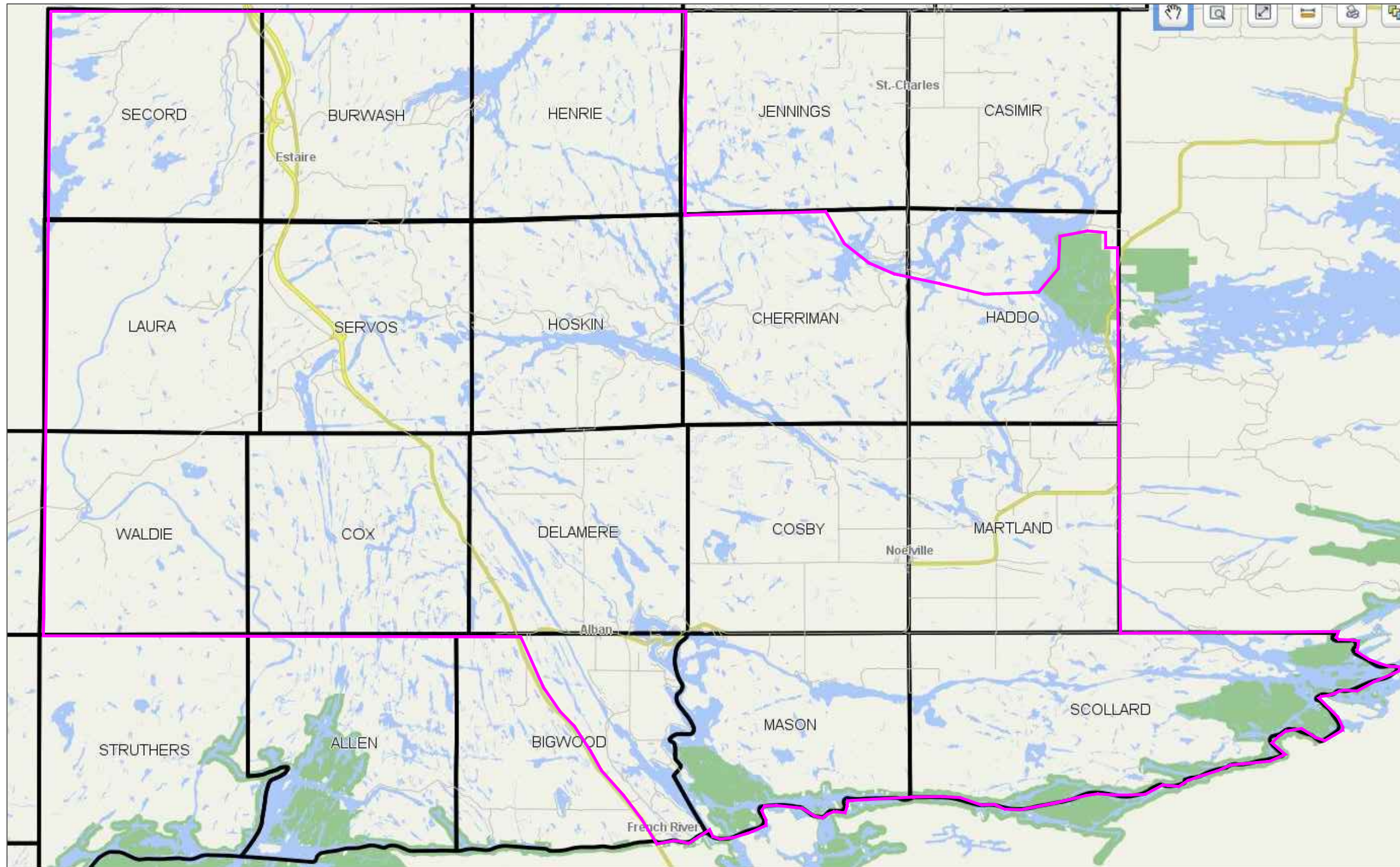
**Jp2g Consultants Inc.**  
 ENGINEERS • PLANNERS • PROJECT MANAGERS

12 INTERNATIONAL DRIVE, PEMBROKE, ON Phone: (613)735-2507, Fax: (613)735-4513  
 1150 MORRISON DRIVE, SUITE 410, OTTAWA, ON Phone: (613)828-7800, Fax: (613)828-2600

**MUNICIPALITY OF FRENCH RIVER**  
**WASTE MANAGEMENT OPERATIONS REVIEW**

**COMMERCIAL & INSTITUTIONAL BIN PICK-UP LOCATIONS**

DESIGNED: AS	PROJECT No.: 20-6095A
DRAFTED: AS	REVISION DATE: 04-08-2020
CHECKED: KM APPROVED: KM	REVISION No.: .
SCALE: NTS	FIGURE 3



**LEGEND**  
 — LANDFILL SITE SERVICE AREA

**NOTES**

BASE MAP PROVIDED FROM THE SUDBURY EAST GIS COMMUNITY MAPPING DATABASE.



12 INTERNATIONAL DRIVE, PEMBROKE, ON 1150 MORRISON DRIVE, SUITE 410, OTTAWA, ON  
 Phone: (613)735-2507, Fax: (613)735-4513 Phone: (613)828-7800, Fax: (613)828-2600

**MUNICIPALITY OF FRENCH RIVER  
 WASTE MANAGEMENT OPERATIONS REVIEW**

**LANDFILL SITE SERVICE AREA**

DESIGNED: AS	PROJECT No.: 20-6095A
DRAFTED: AS	REVISION DATE: 24-08-2020
CHECKED: KM	APPROVED: KM
SCALE: NTS	REVISION No.: .
	FIGURE 4

APPENDIX A  
ECA NO. 6812-5NUQ24



Ministry  
of the  
Environment

Ministère  
de  
l'Environnement

PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER 6812-5NUQ24

The Corporation of the Municipality of French River  
P.O. Box 156  
French River, Ontario  
P0M 2N0

*You have applied in accordance with Section 27 of the Environmental Protection Act for approval of:*

a waste management system serving:

The Corporation of the Municipality of French River

*For the purpose of this Provisional Certificate of Approval and the terms and conditions specified below, the following definitions apply:*

- a. "**Act**" means the *Environmental Protection Act*, R.S.O. 1990, c. E-19 as amended;
- b. "**Application**" means the application for a Certificate of Approval for a Waste Management System dated January 31, 2003, and supporting documentation, and plans and specifications listed in Schedule "A";
- c. "**Container**" means the depot containers described in the application;
- d. "**Depot**" means one or several disposal containers described in the Application, the locations of which are listed in Schedule "B", in which waste is initially collected from residents for subsequent transportation to a waste disposal site;
- e. "**Director**" means the person(s) designated pursuant to Section 5 of the *Environmental Protection Act* for the purposes of administering Part V of the Act;
- f. "**District Manager**" means the District Manager, Sudbury District Office, MOE;
- g. "**Ministry**" means the Ontario Ministry of the Environment;
- h. "**Ontario Regulation 347**" means *Ontario Regulation 347*, R.R.O. 1990, as amended;
- i. "**Owner**" means the Corporation of the Municipality of French River;
- j. "**Provisional Certificate of Approval**" means this entire Provisional Certificate of Approval, including its schedules, issued in accordance with Section 27 of the Act; and
- k. "**Waste Management System**" is as defined in the Act, as amended.

*You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:*

## TERMS AND CONDITIONS

### GENERAL

1. Except as otherwise provided by these conditions, the Waste Management System and its Depots shall be designed, developed, used, maintained and operated, and all facilities, equipment and fixtures shall be built and installed, in accordance with the Application for a Certificate of Approval for a Waste Management System dated January 31, 2003,

**CONTENT COPY OF ORIGINAL**

and supporting documentation, and plans and specifications listed in Schedule "A".

2. The requirements specified in this Provisional Certificate of Approval are the requirements under the Act. The issuance of this Provisional Certificate of Approval in no way abrogates the Owner's legal obligations to take all reasonable steps to avoid violating other applicable provisions of this legislation and other legislation and regulations.

3. The requirements of this Provisional Certificate of Approval are severable. If any requirement of this Provisional Certificate of Approval, or the application of any requirement of this Provisional Certificate of Approval to any circumstance, is held invalid, the application of such requirement to other circumstances and the remainder of this Provisional Certificate of Approval shall not be affected in any way.

4. The Owner shall ensure compliance with all the terms and conditions of this Provisional Certificate of Approval. Any non-compliance constitutes a violation of the Act, and is grounds for enforcement.

5. (a) The Owner shall, forthwith upon request of the Director, District Manager, or Provincial Officer (as defined in the Act), furnish any information requested by such persons with respect to compliance with this Provisional Certificate of Approval, including but not limited to, any records required to be kept under this Provisional Certificate of Approval; and

(b) In the event the Owner provides the Ministry with information, records, documentation or notification in accordance with this Provisional Certificate of Approval (for the purposes of this condition referred to as "Information"),

(i) the receipt of Information by the Ministry;

(ii) the acceptance by the Ministry of the Information's completeness or accuracy; or

(iii) the failure of the Ministry to prosecute the Owner, or to require the Owner to take any action, under this Provisional Certificate of Approval or any statute or regulation in relation to the Information;

shall not be construed as an approval, excuse or justification by the Ministry of any act or omission of the Owner relating to the Information, amounting to non-compliance with this Provisional Certificate of Approval or any statute or regulation.

6. The Owner shall allow Ministry personnel, or a Ministry authorized representative(s), upon presentation of credentials, to:

(a) carry out any and all inspections authorized by Section 156, 157 or 158 of the Act Section 15, 16 or 17 of the *Ontario Water Resources Act*, R.S.O. 1990, or Section 19 or 20 of the *Pesticides Act*, R.S.O. 1990, as amended from time to time, of any place to which this Provisional Certificate of Approval relates; and,

without restricting the generality of the foregoing, to:

(b) (i) enter upon the premises where the records required by the conditions of this Provisional Certificate of Approval are kept;

(ii) have access to and copy, at reasonable times, any records required by the conditions of this Provisional Certificate of Approval;

(iii) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations required by the conditions of this Provisional Certificate of Approval; and

(iv) sample and monitor at reasonable times for the purposes of assuring compliance with the conditions of this Provisional Certificate of Approval.

7. (a) Where there is a conflict between a provision of any document referred to in Schedule "A", and the conditions of this Provisional Certificate of Approval, the conditions in this Provisional Certificate of Approval shall take precedence; and

(b) Where there is a conflict between documents listed in Schedule "A", the document bearing the most recent date shall

prevail.

8. The Owner shall ensure that all communications/correspondence made pursuant to this Provisional Certificate of Approval includes reference to the Provisional Certificate of Approval number.

9. The Owner shall notify the Director in writing of any of the following changes within thirty (30) days of the change occurring:

(a) change of Owner or operator of the Waste Management System or both;

(b) change of address or address of the new Owner;

(c) change of partners where the Owner or operator is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act*, 1991 shall be included in the notification to the Director;

(d) any change of name of the corporation where the Owner or operator is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" (form 1 or 2 of O. Reg. 182, Chapter C-39, R.R.O. 1990 as amended from time to time), filed under the *Corporations Information Act* shall be included in the notification to the Director; and

(e) change in directors or officers of the corporation where the Owner or operator is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" as referred to in 9(d), supra.

10. In the event of any change in ownership of the Waste Management System, the Owner shall notify, in writing, the succeeding owner of the existence of this Provisional Certificate of Approval, and a copy of such notice shall be forwarded to the Director.

11. Any information relating to this Provisional Certificate of Approval and contained in Ministry files may be made available to the public in accordance with the provisions of the *Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, C. F-31.

12. All records and monitoring data required by the conditions of this Provisional Certificate of Approval must be kept on the Owner's premises for a minimum period of two (2) years from the date of their creation.

## **SYSTEM OPERATIONS**

13. The operation of this Waste Management System is limited to the collection, handling and transportation of domestic, commercial and non-hazardous solid industrial waste as described in the application listed in Item one of Schedule "A".

14. Waste shall only be delivered to a waste disposal site or facility which has a Certificate of Approval or a Provisional Certificate of Approval, and only where the waste being delivered complies with the Certificate of Approval or Provisional Certificate of Approval of the receiving waste disposal site or facility.

15. All waste shall only be transported in a covered vehicle or container.

16. Any addition, deletion or other change to the fleet of vehicles, trailers and equipment (i.e., year, make, model, serial number, licence number and ownership of each vehicle, trailer, container or piece of equipment) in particular those which are leased or rented, shall be reported to the Director within fourteen (14) days of any such change.

17. Every vehicle and container used for the collection and transportation of waste pursuant to this Provisional Certificate of Approval shall be clearly marked with the Owner's name and the number which appears on the face of the Provisional Certificate of Approval that authorizes the collection and transportation of waste.

## **DEPOT OPERATIONS**

18. Further to conditions 13 and 14, the operation of this Waste Management System also includes the use of containers as Depots at those locations listed in Schedule "B". A Depot shall not require further approval under Part V of the *Environmental Protection Act* provided that:

## CONTENT COPY OF ORIGINAL

(a) it is operating in accordance with the Conditions of this Provisional Certificate of Approval; and

(b) waste is removed from the Depot only by the Owner.

19. All Depots shall be located, constructed, operated, maintained, and inspected in accordance with items 1 and 2 in Schedule "A", and Schedule "B".

20. All Depots may operate twenty-four (24) hours per day, seven (7) days per week.

21. No wastes other than domestic, commercial and non-hazardous solid industrial waste shall be accepted at any Depot.

22. (a) The total amount of waste received at a Depot shall not exceed the corresponding volume specified in Schedule "B"; and

(b) The total amount of waste at a Depot at any one time shall not exceed the corresponding volume specified in Schedule "B".

23. All waste shall be stored in containers, subject to the following:

(a) No waste shall be stored outside of any container;

(b) Each container shall be clearly marked showing the type of waste it is to contain; and

(c) Recyclable waste shall not be commingled.

24. The Owner shall ensure that adequate signage has been posted at each Depot informing users of, as a minimum, the following:

(a) the types of waste that the Depot is approved to accept;

(b) the types of waste that each container may accept; and

(c) the waste storage requirements of the Depot.

25. The Owner shall ensure that all wastes transported from each Depot shall be transported in accordance with the conditions of this Certificate and in accordance with the Act and Ontario Regulation 347, R.R.O. 1990 as amended from time to time.

### **STAFF TRAINING**

26. The Owner shall ensure that all employees operating pursuant to this Provisional Certificate of Approval the Depot are trained with respect to the following:

(a) the terms, conditions and operating requirements of this Certificate;

(b) operation and management of the Depot, or areas within the Depot, as per the specific job requirements of each individual employee;

(c) the Depot plan and location of relevant equipment, including that for emergencies and spills;

(d) an outline of the responsibilities of Depot personnel including roles and responsibilities during emergencies and spills;

(e) any environmental and occupational health and safety concerns pertaining to the waste to be transferred;

(f) emergency first-aid information;

(g) relevant waste management legislation and regulations, including the *Act* and *Ontario Regulation 347*;

(h) information recording procedures;

- (i) Equipment and Depot inspection procedures; and
- (j) procedures for recording and responding to public complaints.

27. The Owner shall maintain a written record at the Owner's address which shall include, as a minimum, the following:

- (a) the date of training;
- (b) the name and signature of the person who has been trained; and
- (c) a description of the training provided.

#### **EQUIPMENT AND DEPOT INSPECTION**

28. The Owner shall routinely conduct regular inspections of the equipment, facilities and security measures to ensure that all are maintained in good working order and secure at all times. Any deficiencies detected during these regular inspections shall be promptly corrected. A written record shall be maintained at the Owner's address including, as a minimum, the following:

- (a) the name and signature of the trained personnel conducting the inspection;
- (b) the date and time of the inspection;
- (c) a list of equipment inspected and all deficiencies observed;
- (d) a detailed description of the maintenance activity;
- (e) the date and time of maintenance activity; and
- (f) recommendations for remedial actions undertaken.

29. The Owner shall conduct no less than two (2) visual inspections per week of the loading/unloading area, transfer area and container locking mechanism to ensure the Depot is secure and that no off-Depot impacts such as surface water runoff, vermin, vectors, odour, dust, mud, litter, noise and traffic, result from the operation of the Depot. Any deficiencies detected during these regular inspections shall be promptly corrected to mitigate any possible impacts. A written record of this inspection shall be maintained at the Owner's address including, as a minimum, the following:

- (a) the name and signature of the trained personnel conducting the inspection;
- (b) the date and time of the inspection;
- (c) a list of areas inspected and all deficiencies observed;
- (d) a detailed description of any remedial action taken;
- (e) recommendations for remedial actions undertaken.

#### **SPILLS AND EMERGENCY RESPONSE**

30. All spills, upsets and fires shall be immediately reported to the **Ministry's Spills Action Centre at 1-800-268-6060** and a written record shall be made as to the nature of the spill or upset, and the action taken for clean-up, correction and prevention of future occurrences.

31. The Owner shall immediately take all measures necessary to contain and clean up any spill or leak which may result from the operation at this Depot.

#### **CONTINGENCY PLAN**

32. The Owner shall provide to the District Manager, prior to the acceptance of any waste at a Depot, a written contingency plan which details how waste will be stored or disposed of in the event that it cannot be removed from the Depot in the usual manner. If implementation of the contingency plan is necessary, it shall be effected through written concurrence from the Director.

### **RECORD KEEPING**

33. The Owner shall maintain a written record at the Owner's address containing, as a minimum, the following information:

- (a) for wastes transferred from a Depot:
  - (i) the date of record;
  - (ii) the quantity and type of waste transferred;
  - (v) the name and address of the receiving Depot; and
  - (vi) the Certificate of Approval number of the receiving Depot.
- (b) the quantity and type of any rejected wastes and details of its disposal;
- (c) the Equipment and Depot inspection report;
- (d) details on any complaints regarding Depot operations, including (as a minimum) the following information:
  - (i) the nature of the complaint;
  - (ii) the date and time of the complaint;
  - (iii) the name, address and telephone number of the complainant; and
  - (iv) any resulting contacts and remedial action taken;
- (e) details on all spills, fires, upsets or other problems encountered during the operation of the Depot, and all actions taken to remediate the problem; and
- (f) records of staff training.

### **ANNUAL REPORT**

34. By January 31, 2004, and on an annual basis thereafter, the Owner shall prepare and retain at the Owner's address an annual report covering the previous calendar year. Each report shall include, as a minimum, the following information:

- (a) a detailed monthly summary of the type and quantity of all waste received and transferred from each Depot, including the records required under Condition 33;
- (b) any environmental and operational problems that could negatively impact the environment, encountered during the operation of the Depots and during the facility inspections, and any mitigative actions taken, including the records required under Condition 29;
- (c) a statement as to compliance with all Conditions of this Provisional Certificate of Approval and with the inspection and reporting requirements of the Conditions herein; and
- (d) any recommendations to minimize environmental impacts from the operation of the Depot and to improve Depot operations and monitoring programs in this regard.

## CONTENT COPY OF ORIGINAL

*This Schedule "A" forms part of this Provisional Certificate of Approval Number:*

1. Application for a Certificate of Approval for a Waste Management System, dated January 31, 2003, from Mr. Mark Urbanski, Chief Administrative Officer/Clerk, Municipality of French River including a Design and Operations report complete with:

- i. vehicle information;
- ii. locations and volumes of waste to be collected at depots;
- iii. Depot servicing intervals;
- iv. operating hours;
- v. facility Maintenance inspection and training;
- vi. site details;
- vii. contingency measures;
- viii. decommissioning plan; and
- ix. new depot selection process.

2. Letter dated March 14, 2003 from Mr. Paul Neals of Azimuth Environmental Consulting Inc to the Ministry including supplementary information on vehicle ownership, insurance, and financing.

3. Letter dated July 9, 2003 from Mr. Paul Neals of Azimuth Environmental Consulting Inc to Mr. Dave Bell of the Ministry with confirmation of sites, and copy of municipal by-law 2002-38 for the Monteville site to be located at 7121 Highway 64, on private property.

4. e-mail dated July 14, 2003, from Mr. Paul Neals of Azimuth Environmental Consulting Inc to Mr. Dave Bell of the Ministry with letter of consent form MTO for the Municipality to use its property for Depot number 4.

### **SCHEDULE "B"**

#### **INVENTORY OF APPROVED DEPOT LOCATIONS**

*This Schedule "B" forms part of this Provisional Certificate of Approval Number:*

The following Depots are receivers of waste:

	<b>MOE Depot name</b>	<b>Owner's Depot Name*</b>	<b>Depot Location (UTM coordinates)</b>	<b>Total Weekly volumes (cubic metres)</b>	<b>Total Volume (cubic metres)</b>
1	<b>Depot 1</b>	Site 1- Municipal Public Service Yard	5109200 North, 544700 East;	70	35
2	<b>Depot 2</b>	Site 2-Noeville Community Centre	5109400 North, 544200 East	70	35
3	<b>Depot 4</b>	Site 4- Highway 528	5109400 North, 544200 East	42	21
4	<b>Depot 5</b>	Site 5- Monetville	5115000 North, 553500 East	42	21
5	<b>Depot 6</b>	Site 6- Shaw Road Gravel Pit	5121000 North, 542600 East	28	14
6	<b>Depot 8</b>	Site 8- Alban Community Centre	5105500 North, 5529800 East	84	42

\* as described in the application listed in item 1 of Schedule "A".

*The reasons for the imposition of these terms and conditions are as follows:*

1. The reason for Conditions 1, 19, 20, 33 and 34 is to ensure that the Depot is operated in accordance with the application

## CONTENT COPY OF ORIGINAL

and supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider.

2. The reason for Conditions 2, 3, 4, 7, 8, 9, 10, 11, and 12 is to clarify the legal rights and responsibilities of the Owner.
3. The reason for Conditions 5 and 6 is to ensure that the appropriate Ministry staff have ready access to information and the operations of the Waste Management System which are approved under this Provisional Certificate of Approval. Condition 6 is supplementary to the powers of entry afforded a Provincial Officer pursuant to the *Environmental Protection Act*, the *Ontario Water Resources Act*, and the *Pesticides Act*, as amended.
4. The reason for Condition 13 is to ensure that this waste management system is only used to collect, handle and transport waste which it is able to in a suitable manner as the transportation of waste which this waste management system is not able to collect, handle and transport may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.
5. The reason for condition 14 is to ensure that this waste management system is used to transport waste only to waste disposal sites or facilities that have been approved by the Ministry of the Environment to receive the waste which this waste management system is delivering under this Provisional Certificate of Approval, and that by accepting the waste being delivered by the waste management system, the waste disposal site and facilities will not be out of compliance with its Certificate of Approval or Provisional Certificate of Approval.
6. The reason for Condition 15 is to ensure that waste particulates are not emitted to the environment as any such emission may result in a hazard to the health and safety of any person or the natural environment.
7. The reason for Conditions 16 and 17 is to ensure that all vehicles, trailers and equipment including those leased or rented for operation under this Provisional Certificate of Approval have been approved as part of a suitable waste transportation system to collect and transport waste as an unsuitable waste transportation system could result in a hazard to the health and safety of any person or the natural environment.
8. The reason for Condition 18 is to clarify which waste site and waste system provisions of the *Environmental Protection Act* and *Ontario Regulation 347* the Owner is being exempted from.
9. The reason for Conditions 21 and 22 is to ensure that the types and amounts of waste received at the Depots are in accordance with that approved under this Provisional Certificate of Approval.
10. The reason for Conditions 23, 25, 28, and 29 is to ensure that the Depots are operated in a manner which does not result in a nuisance or a hazard to the health and safety of the public and the environment.
11. The reason for Condition 24 is to ensure that users of the Depots are aware of the types of wastes permitted at the Depot, and the manner in which they must be stored.
12. The reason for Conditions 26 and 27 is to ensure that staff are properly trained in Depot operational procedures, the operation of the equipment used at the Depot.
13. The reason for Conditions 30 and 31 is to ensure that any spills are reported to the Ministry's Spills Action Centre, and to ensure that all spills are handled quickly and properly.
14. The reason for Condition 32 is to ensure that a plan is in place to deal with waste in the event that it cannot be stored or disposed of in the usual manner.
- 15.

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:*

CONTENT COPY OF ORIGINAL

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
2300 Yonge St., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

The Director  
Section 9, *Environmental Protection Act*  
Ministry of Environment and Energy  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 7th day of August, 2003

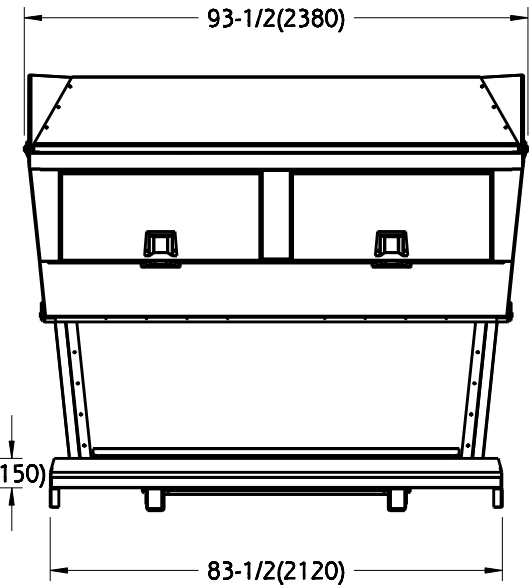
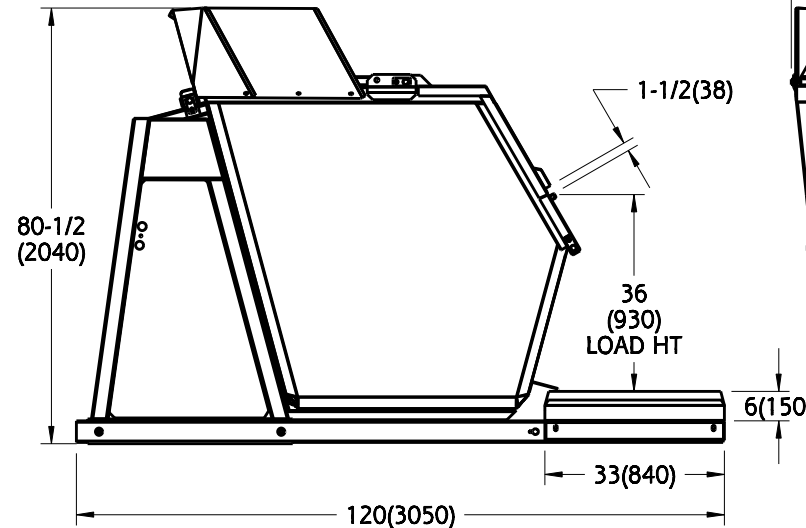
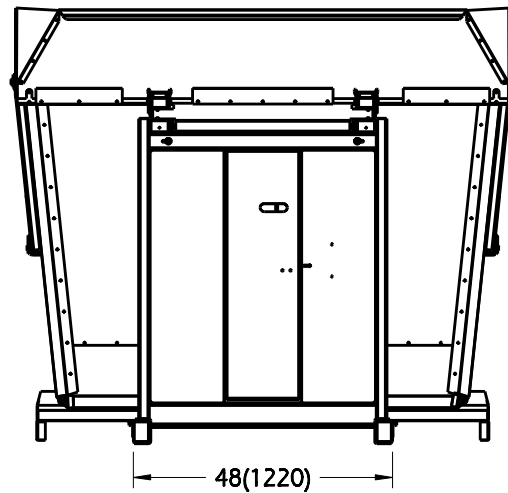
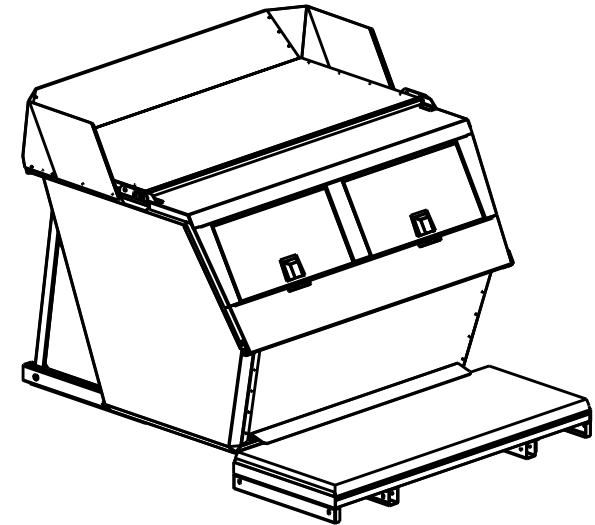
Aziz Ahmed, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

DB/  
c: District Manager, MOE Sudbury  
Paul Neals, Azimuth Environmental Consulting Inc.

APPENDIX B  
HAUL ALL EQUIPMENT SPECIFICATIONS

FEATURE	DESCRIPTION	SPECIFICATION
Capacity	Container Hopper Volume	6 cu.yd.(4.5 cu.meters)
Construction	Container Panels	12 Ga. (2.6) Galvanneal Steel
	Front Lid Assembly	12 Ga. (2.6) Galvanneal Steel
	User Loading Door	14 Ga. (1.9) Galvanneal Steel
	Unloading Door	14 Ga. (1.9) Galvanneal Steel
	Step Assembly	10 Ga. (3.5) Galvanneal Steel
	Sub Assemblies	Panels(Riveted) Frames (Welded)
	Paint	Powder Coat
Weights	Container With Step Assembly	2900lbs (1315kg)

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DRAWING NOT TO SCALE



NOTE: ALL DIMENSIONS INCHES (MILLIMETERS)

HAUL-ALL EQUIPMENT LTD. reserves proprietary rights on this drawing or any part of the information contained thereon. This drawing shall be considered confidential material and is not to be used for competitive bidding nor for use in any procurements other than from Haul-All Equipment Ltd.



NAME	HL6T CONTAINER	
PART NUMBER	SP-HL6T	DRAWN BY PS
DATE	NOVEMBER 1, 2016	REVISION 1



# RP Series

Multi-Stream  
Collection



## *Dual Compartment Multi-Stream*

**Semi-Automated / Curbside**



# RP Series

## Multi-Stream Collection

### Flexible Collection

Seamlessly integrates with Hyd-A-Way® containers to achieve a highly efficient, low cost operation.



**Semi-automated collection**

Using a low loading height for manual collection improves operator productivity and safety.



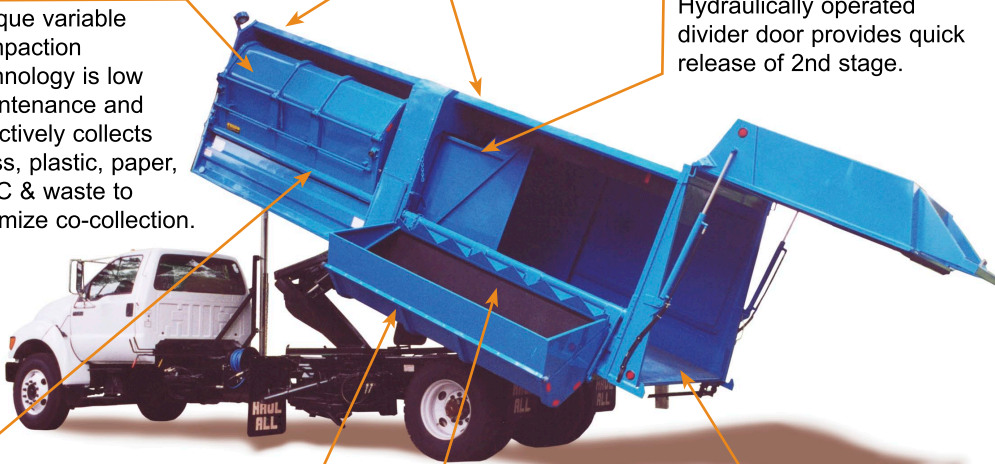
**Curbside collection**

### Variable Compaction Technology (VCT™)

Unique variable compaction technology is low maintenance and effectively collects glass, plastic, paper, OCC & waste to optimize co-collection.

Dual-compartment provides 35 - 40 cu yds (26 - 31 cu m) of compacted capacity.

Hydraulically operated divider door provides quick release of 2nd stage.



Efficient load & pack design minimizes body weight to maximize payload capacity.

Bucket liner extends life of equipment.

Liquid tight body seal is ideal for organic and wet material.

Large loading hoppers improves cycle time.

### Options Include



Left or right hand configuration to service any application.



Onboard 1,500 psi pressure washer keeps on-site equipment clean & sanitized.



Cart Dumper adds flexibility without the high cost of full automation.

Distributor

**Phone:** 888-HAUL-ALL (428-5255)  
403.328.7788

**Fax:** 403.328.9956

**E-mail:** sales@haulall.com

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

Haul-All, "Integrating Waste Management" and Hyd-A-Way are Registered Trademarks.

# OmniPak™



COMMERCIAL,  
INDUSTRIAL,  
RESIDENTIAL.

STORAGE

COLLECTION

TRANSFER



## Flexible Collection



- ❖ Automated bin tipper with dump cycle less than 25 seconds.
- ❖ 4 foot service reach.
- ❖ Available left or right side.



- ❖ Service **Hyd-A-Way** containers with the optional 6 cu yd bucket.
- ❖ 15 second dump cycle.
- ❖ Available right side.

## Unique Packer



- ❖ Bullnose packer maximizes payload.
- ❖ Optional crusher panel is easy to use and allows material to flow back into the hopper.
- ❖ Pack-on-the-Fly eliminates wait time at the pick up site.
- ❖ Packs over 210,000 cu in. of material per stroke.
- ❖ Folding cover panel protects cylinder through packing cycle.

Liquid paint process achieves a high gloss, durable finish.

24 cu yd body.

Oversized charging hopper at 9.5 cu yds.

Automated in-cab controls using only the highest quality components.



Liquid tight and self locking tailgate.



Quick tipping hoist.

Powder paint on high wear components improves durability and rust resistance.

## Specifications

### BODY

**Approx. Body Weight**  
16 460 lbs (7 644 kg)

**Body Capacity**  
24 cu yd ( 18 cu m)

**GVWR Recommended**  
54 000 lbs (28 100 kg)

**Cab to Trunnion**  
205 inches (5 200 mm)

### HOPPER

**Hopper Volume**  
9 cu yd (7 cu m)

**Auto-Pack at Base Idle**  
35 seconds

### ARM

**Arm Reach**  
48 inches (1 220 mm)

**Arm Cycle Time**  
under 25 seconds

Distributor

**Phone:** 888-HAUL-ALL (428-5255) **Fax:** 403.328.9956  
403.328.7788

**E-mail:** sales@haulall.com

www.haulall.com

Haul-All and "Integrating Waste Management" are Registered Trademarks.



# APPENDIX C

## HISTORICAL CORRESPONDENCE

## **MEMO**

Date: February 4, 2002

To: Members of Council

From: Mark

Subject: Garbage Survey Results

---

The garbage survey that was sent out last fall has been tabulated. We are not receiving any more questionnaires.

The response is impressive considering the questionnaires were sent out with no return address, envelope or stamp. 137 respondents took the time to fill in the forms. The last time we sent out a survey was in the Summer of 2000. The questionnaire at that time was included with the tax bills so people could return it with payment. We had over 500 respondents in 2000. However, the 137 respondents this time still gives us ample public opinion to work with.

**NOTE:** In the Summer of 2000 over 70% of respondents were satisfied or very satisfied with the Public Works Department.

### **Questionnaire 2001**

71.4 % are satisfied with operations at the landfill sites.

8 of the 137 returns wouldn't mind a tax increase in order to keep all 5 sites operational.

41.3 % would drive 10 km one-way to a landfill site.

30 % would like to only drive 5 km or less to a landfill site.

17.4 % would be willing to drive 15 km to a site

11.3 % would drive 20 km one-way to a landfill site.

Of the 30 % in the 5 km range the bulk of these commuters were already using Delamere and Noelville sites. 10 out of the 40 of these respondents used Scollard, Haddo and Cherriman.

**NOTE:** We have received a number of comments that will help us deliver better service in the future.

**WASTE MANAGEMENT  
MUNICIPALITY OF FRENCH RIVER**

1. On October 10, 2002, Council passed a resolution to purchase a Haul All Waste Management System that is fair for all ratepayers. The system includes a truck chassis, a compactor, 80 bins, the site preparation, signs and a certificate of approval for use within municipal boundaries. The bins should be set up by March 2003. The bins are animal proof, easy to open, easy to clean and esthetically configured.
  
2. **Bin Sites will:**
  - be accessible 24 hours a day 7 days a week
  - be used for household waste (no bulk items)
  - have an easy to open access door (not flip tops)
  - have an opening for regular size garbage bags or plastic grocery bags (no jumbo or giant bags)
  - be cleaned and disinfected as necessary (truck is equipped with a pressure washer)
  - be emptied twice weekly in the summer and once weekly in the winter
  - allow separation and recycling in the future
  - provide low cost standardized level of service
  - avoid high cost door to door pick up
  
3. **Landfill sites**
  - the Noëlville and Delamere sites will remain open
  - hours of operation will be posted at public outlets
  - to be used for bulk items, ex: appliances, tires, metal, construction materials, etc.
  - keys may be issued if deemed necessary by council and with written justification
  - ratepayers will be allowed to take bulk items on May and September long weekends at no cost
  - bulk items may also be taken when sites are open (tipping fees may apply)
  
4. **Special Requests**
  - resident pick up may be arranged at the municipal office for ratepayers who are physically unable to go to bin sites due to a handicap, disability or serious illness.
  
5. **Closing of Landfill Sites**

If we continue to operate the Cherriman, Haddo and Scollard sites the estimated cost would be at \$127,500 per year.  
Annually the cost of the new system amounts to \$122,000 per year.



**The Corporation of the Municipality of French River**  
**La Corporation de la Municipalité de la Rivière des Français**  
Box 156, 17 Dollard Street / CP 156, 17 rue Dollard  
Noëlville, Ontario POM 2N0  
Telephone/Téléphone : (705) 898-2294  
Facsimile/Télécopieur : (705) 898-2181

---

## **Waste Management Update**

### **July 2004**

The Municipality of French River waste management system has been in operation for over one year. Most residents have been supportive of the new system, and the changes introduced in April 2003 have received favorable reviews.

These changes included:

- Improved 24 hour access to waste disposal services throughout the municipality
- 9 drop off sites strategically located throughout the municipality
- Increased environmental protection as required by the Ministry of Environment
- Closure of three landfill sites
- Consistent treatment of waste management services to all ratepayers
- Long term stabilization of waste management costs
- Staged implementation of recycling

#### **Problems Encountered**

**Household Hazardous Waste** paint containers, solvents and distillates, automotive oils, pesticides, lead acid batteries, and similar hazardous items are still being found in the garbage bins along with **Bulk Items**, furniture, tires and white goods including refrigerators, stoves and air conditioners are being left at the waste depots. It had been hoped that residents would take pride in the new system and cooperate by abiding by the rules displayed at the bin sites.

Mayor and Council urges all residents to comply with the rules to avoid exposing the Municipality to possible litigation, and to enhance the beauty of our municipality.

Installing cameras and hiring a by-law enforcement officer will add **\$100,000** per year to the municipal budget. To recover this amount with municipal taxes would mean a **5% increase in the municipal tax rates** over and above any other required increases.

We also have problems with unauthorized use of our system. The bin sites are for the residents of the Municipality of French River. All others are trespassing on municipal property and can be charged under the Trespass To Property Act. Please report unauthorized use of our system to the municipal office.

*The Municipality will measure the ratepayers' responses to the problems by monitoring the system. This is your Municipality, take pride in it, and in return we will attempt to manage resources as efficiently and effectively as possible.*

**Free Bulk Weekend – May long weekend**  
**Free Hazardous Waste Weekend - Labor Day Weekend**

**Have a safe and enjoyable summer!**

**From The Council of The Municipality of French River**



The Municipality of French River will start recycling as of January 1<sup>st</sup>, 2005.

## What Can Go In The Recycling Bin?

Putting the wrong things in the recycling bin causes problems in the recycling process. Only place the following items in the recycling bin labelled for:

### **Plastic & Metal containers**

- \* Metal Food Cans
- \* Plastic #1 (Plastic Bottles)
- \* Plastic #2 (HDPE)
- \* Plastic #5 (polypropylene)
  
- \* Clean aluminium foil plates & trays

### **Newspapers & Cardboard**

- \* Hard & Soft Cover Books
- \* Newspaper & Flyers
- \* Envelopes & Office paper
- \* Cardboard – Boxes need to be flatten.
  
- \* Telephone directories



Your recycling material can be dropped off at any waste bin sites or at the landfill site (Please see attendant). There will be bins labeled for recycling. Recycling materials can be placed in two different garbage bags (one for plastic and metal and the other for newspapers and cardboard) before dropping them off at the waste bin site. If you have any questions, please do not hesitate to contact the municipal office at (705) 898-2294 or visit us at 17 Dollard Street, Noëlville, Ontario.



# The Corporation of the Municipality of French River

## Action Report

<b>REPORT TO:</b> Council	<b>REPORT FROM:</b> Ad Hoc Committee	<b>MEETING DATE:</b> March 11 <sup>th</sup> , 2015
------------------------------	---	---

### **WASTE MANAGEMENT COLLECTION AND DISPOSAL SERVICES**

#### **Subject**

The purpose of this report is to inform council of the discussions and recommendation of the February 18<sup>th</sup>, 2015 Waste Management Collection and Disposal Services Ad Hoc Committee Meeting.

#### **Background**

Discussions about waste management were brought forth in 2013 when the Garbage Truck was identified as an asset requiring replacement. This capital replacement was brought forth to the Environmental Committee which recommended reviewing waste collection alternative before moving forward with such a significant capital project (approx. \$300,000).

In March 2013, a member of the Environmental Committee presented a report relating to waste management. Since that date, many more discussions, reports and analysis have been prepared and presented to this committee. In May of 2014 the Environmental Committee reviewed a draft of the RFP containing all different waste management alternatives. Many comments were received. The comment that was the most striking was the complexity of the issue and how to prepare an adequate review grid that would compare adequately the different alternatives. With these comments, the administration went back to the drawing board and also consulted with some industry experts. The experts made it very clear that it be the responsibility of Council taking into account the recommendations of the Environmental Committee that a system be chosen before an RFP is issued.

In order to perform a due diligence analysis of all alternatives, Council Approved that a Request for Proposal (RFP) for Waste Management Collection and Disposal - subcontracted Curbside System (waste and recycling) be prepared and issued. (Resolution #2014- 159 on July 16<sup>th</sup>, 2014). The RFP was released on September 25<sup>th</sup>, 2014 and an addendum was released on November 25<sup>th</sup>, 2014 with a closing date of January 9<sup>th</sup>, 2015.

On January 21st, 2015 Council agreed to create an Ad Hoc committee to evaluate the RFP's and committed \$2,500 to hire an external expert to be part of the Ad Hoc committee. (Resol. 2015- 19) On February 11th, 2015 Council appointed the following Ad Hoc Committee members (Resol. 2015- 36):

1. Councillor Tammy Mitchell
2. Councillor Ron Garbutt
3. Mélanie Bouffard, Acting CAO
4. Jim Sartor, Public Works Superintendent
5. Kevin Benvenuti, Environmental Services Senior Operator
6. Julie Bouthillette, CPA, CGA, Treasurer
7. Antoine C. Boucher, P. Eng, Director of Public Works and Engineering from the Municipality of East Ferris

#### **Discussion / Financial Considerations**

The Ad Hoc Committee held a meeting on February 18<sup>th</sup>, 2015.

The following facts are outlined to give history of the waste collection service at the time of amalgamation in 1999:

- There were five (5) landfills within the French River boundaries. (Cherriman, Delamere, Haddo, Scollard and Noëlville).
- Noëlville Landfill Site was the only one owned by the Municipality.
- The four (4) other landfills were under Land Use Permits with the Ministry of Natural Resources (MNR).
- The Cherriman, Haddo & Scollard sites were near capacity and were closed because the Municipality would have had the liability of closure costs with no compensation from the Province.
- The Delamere Site was operated until December 2006, a third of the closure costs were born by the Municipality.
- Curbside collection was provided by the Municipality within the town limits of Noëlville for a user fee.
- Curbside collection was provided by a private contractor to the Alban area for a user fee. The private service was only provided for a limited time since MOE required certification.
- In 2003, the Municipality established the bin system as it was deemed the best way to serve the ratepayers in a fair and equitable fashion at the least cost. An investment of over \$800,000 was made to purchase a non-compacting truck and bins.

Identified analysis of proposal to change from Bin Site System to Curbside

Pros of Bin Site	Cons of Bin Site
<ul style="list-style-type: none"> <li>_ Serves the people that do not have road access and are not in the area during the week to bring their waste to the landfill</li> <li>_ provides 24 hour service</li> <li>_ bin sites strategically located throughout municipality</li> </ul>	<ul style="list-style-type: none"> <li>_ Non-resident waste is collected (from other municipalities)</li> <li>_ Difficulty to collect tipping fees/ loss of tipping fees</li> <li>_ Man hours to collect waste outside of bins + effect of litter on environment</li> <li>_ No control over recycling/ waste stream (hazardous waste)</li> <li>_ Scavengers</li> <li>_ Cosmetic appearance to the Municipality</li> <li>_ New truck (capital investment)</li> <li>_ down time relating to truck</li> <li>_ Bins are not accommodating to elders and movement impaired</li> <li>_ Not accommodating to those who do not drive.</li> <li>_ Hauling Garbage in personal vehicle is not desired</li> <li>_ cost of hauling recycling</li> <li>_ cost of disposing recycling</li> </ul>

Pros of Curbside	Cons of Curbside
<ul style="list-style-type: none"> <li>_ Transfer of risk to contractor</li> <li>_ Ability to limit and control waste stream</li> <li>_ 60% increase in recycling = extended life of landfill = huge cost savings</li> <li>_ Tipping fees will offset landfill costs</li> <li>_ Shift of labour will benefit the transportation service department</li> <li>_ No worries about down time as replacement fleet available</li> <li>_ control of when waste is brought into landfill and covered which will decrease the windblown trash</li> <li>_ Able to ensure the proper sorting of recyclable materials to avoid rejected recycling</li> <li>_ Subcontracting Costs including hauling recycling and disposing recycling overall cost saving of \$200,000 annually. (10 year contract + 5 year renewal)</li> </ul>	<ul style="list-style-type: none"> <li>_ There would be a challenge for the residents that do not have road access or who are not permanent residents due to the waste pick up schedule.</li> <li>_ Reduced level of service for commercial/tourist residents</li> <li>_ Animals can get into waste</li> <li>_ Increased littering in the Municipality due to the loss of 24 hour service.</li> </ul>

**Problems / Questions and Solutions:**

**Problem:** There would be a challenge for the residents that do not have road access, who live on private roads or who are not permanent residents due to the waste pick up schedule.

**Potential Solution:**

1. Locked shared bins for the residents of private roads or near access point for water only access residents.
2. Increased landfill hours
3. No fee for service for those who are water access
4. -
5. -

**Problem:** Reduced level of service for commercial/tourist residents

**Potential Solution:**

1. Private agreement with waste contractor
2. Commercial and Industrial operators could have the option to buy additional bag limits
3. -
4. -
5. -

**Problem:** Animals can get into waste

**Potential Solution:**

1. Though costly, animal proof containers
2. Residents could be responsible for animal proofing their waste (covering, containers, etc.)
3. -
4. -
5. -

**Problem:** Increased littering in the Municipality due to the loss of 24 hour service.

Potential Solution:

1. Increase by-law presence
2. -
3. -
4. -
5. -

Question: What if I missed my scheduled pickup

Potential Solution:

1. Allow a same amount of weekly bags into the landfill free of charge
2. -
3. -
4. -
5. -

Question: Will there be a transition period?

Potential Solution:

1. Yes the committee recommends that the bins remain at the transfer stations for the first three months of the waste collection service.
2. The bins could also be declared surplus assets which would be sold at the highest bidder.
3. -
4. -
5. -

Question: What will happen with the Bins?

Potential Solution:

1. The bins could be declared surplus assets which would be sold at the highest bidder.
2. -
3. -
4. -
5. -

Question: What happens to the bin sites?

Potential Solution:

1. A discussion with the MOE will determine the outcome of the bin sites.
2. -
3. -
4. -
5. -

Other Factors to consider:

- Current annual cost of
  - bin sites (transfer station) including collection and waste diversion \$360,000 = \$143 per household
  - landfill use of space \$350,000 annually, potential for \$60% savings from increased recycling. We will use the conservative number or 10% which totals \$35,000 = \$14 per household
  - TOTAL of \$157/household
- Result of eligible request for proposal:
  - William Day Construction - \$682,838 = \$271.50
  - R&D Recycling - \$287,810 = \$114.43 per household
- Evaluation of proposals looked at the following 5 factors
  - Experience 15%
  - Management 15%
  - Quality of Proposal 15%
  - Other Advantages 10%
  - Price 50%
- User fees are low compared to surrounding Municipalities. (See attached graph) Possibility of shifting more cost from assessment base to user fee base.
- Pressures from the province to increase recycling (includes incentives in the form of stewardship grants)
- Contractor required 3 months to order and customize capital equipment to perform the contract.
- The recommended start date would be end of September to allow the contractor time to settle in and work through the operational issues before the seasonal residents/tourists return in the spring.

The Ad hoc Committee agrees that Curbside Collection is the proper course of action after reviewing, discussing and considering the proposals and other factors such as the financial information and the waste diversion requirements and recommendations.

Proposed Timeline:

Presentation to Council	March 11 <sup>th</sup> , 2015
Town Hall Meeting	April 11 <sup>th</sup> , 2015
Public Survey	April 17 <sup>th</sup> to May 2 <sup>nd</sup> , 2015
Presentation to Council on Town Hall and Public Survey Results	May 13 <sup>th</sup> , 2015
Council Meeting Decision Point	May 27 <sup>nd</sup> , 2015

**Strategic Plan**

**Objective:** Ensure environmental compliance and efficient waste collection.

**Objective:** Ensure timely knowledge of policies, bylaws, and building control standards.

**Objective:** Provide beautiful places for the community to gather.

**Communication Plan**

The Committee considers public consultation as vital. The Notice of the Town Hall meeting will be mailed to each taxpayer, posted on social Media and in all public places. Town hall will be held on a Saturday afternoon/evening to allow taxpayers who reside out of town to attend. Persons who are unable to attend will have access to the same information presented and will have their written comments considered.

**Recommendation**

It is recommended by the Ad hoc Committee that Council agree with the outlined timeline and that the Town hall session be scheduled as part of an ongoing public consultation in order to gather concerns, develop solutions, and educate the community.

**Document(s) Attached**

- User fee comparison

**\*Original Reports have been signed by:**

---

**Prepared by:**  
**Julie Bouthillette, CPA, CGA, Treasurer**

---

**Approved by:**  
**Mélanie Bouffard, Acting CAO/Clerk**

**Reviewed by:**  
**All Ad Hoc Committee Members**

**Welcome  
to the Public Consultation  
for the Waste Management System**



**Bienvenue  
à la consultation publique  
du système de gestion des déchets**

# Why are we here?

## Why are we talking about a Waste Management Program ?

- Improve existing system
  - Extend landfill life
  - Improve overall efficiency by reducing waste
  - Results in a more environmentally friendly community
  - In line with Waste Diversion Ontario's (WDO) good practice

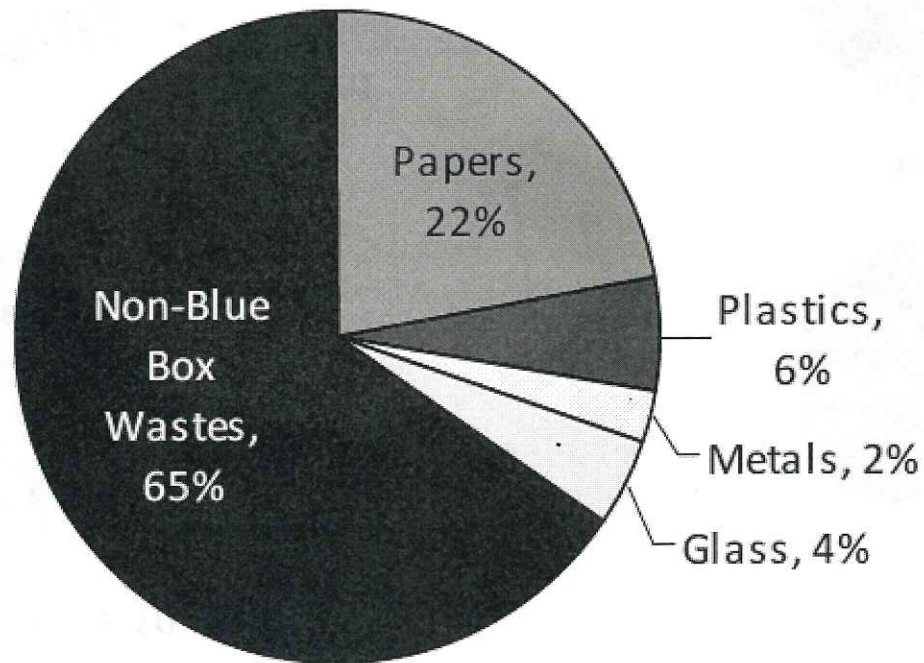
## Why the open house?

- To share information
- We are interested in your opinions to share ideas
- What goals would you like your community to set?
- What system would you like to see implemented to meet these goals?
- Identify concerns

# What is currently Recycled?

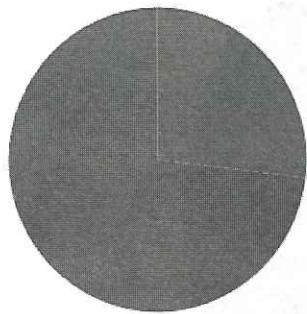
## Currently Recycled in similar Community

Ontario (Small Urban and Rural)



# How are we doing Recycled vs. Landfilled?

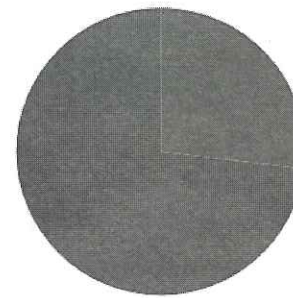
French River = 10-20%



■ Diverted  
■ Landfilled

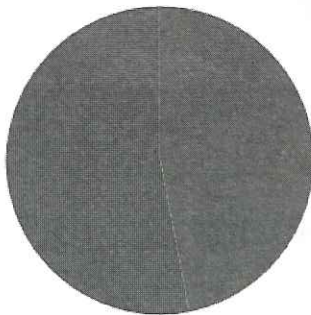
Rural Collection North -

27%



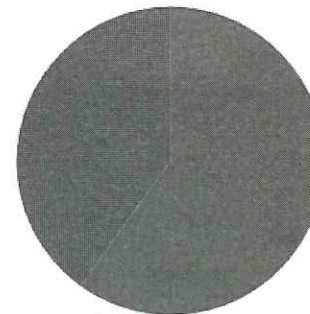
■ Diverted  
■ Landfilled

Ontario Average - 47%



■ Diverted  
■ Landfilled

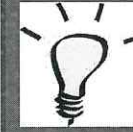
Ontario Target - 60%



■ Diverted  
■ Landfilled

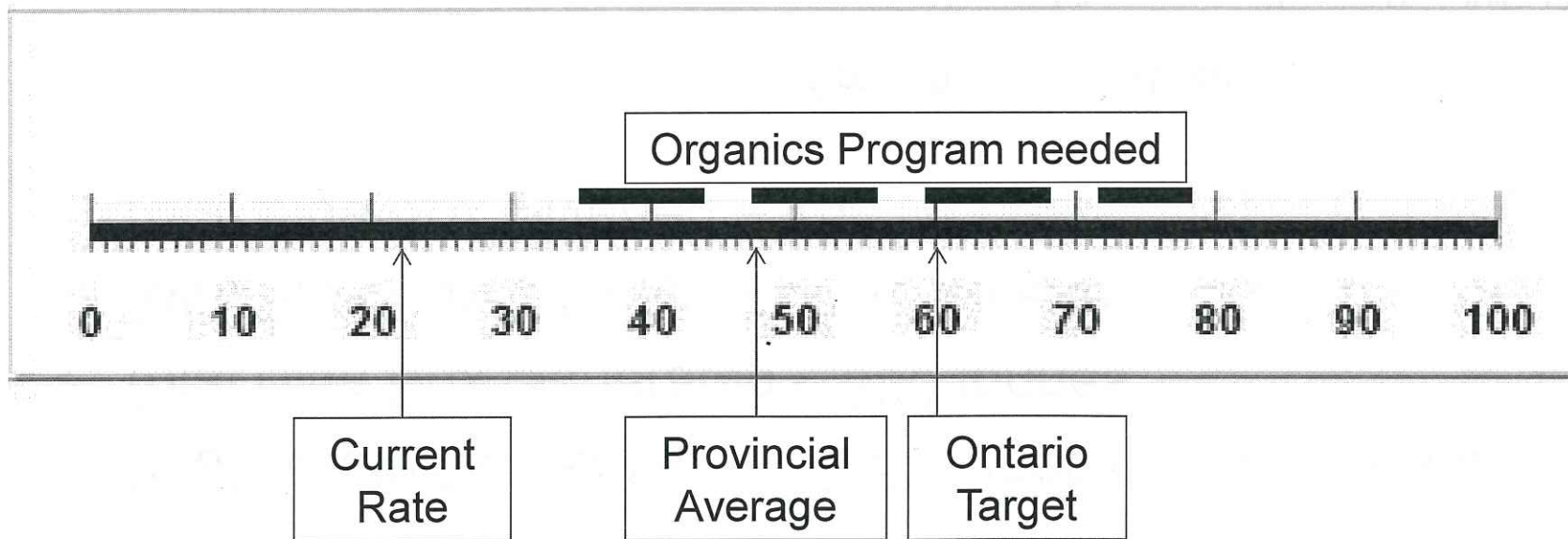
NOTE: TO ACHIEVE  
HIGHER TARGETS  
MUST FOCUS ON  
MORE THAN BLUE  
BOX GOODS

# Questionnaire



Use sticky dots to indicate your goal

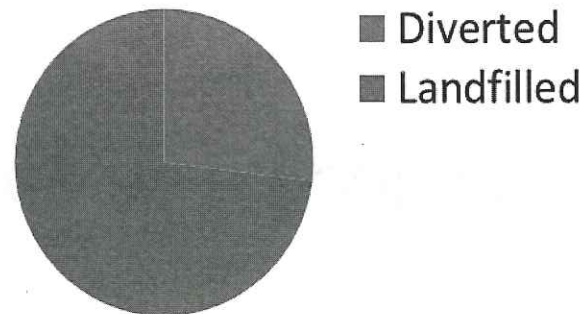
- What would you like to see as a goal for your community?



# How are we doing Recycled vs. Landfilled?

- Total Waste Generated – 2423 tonnes (1tonne/person)
- Total Blue Box Generated – 830 tonnes
- Total Blue Box Which Could be Diverted – 224 tonnes
- Total Blue Box Diverted – 184 tonnes

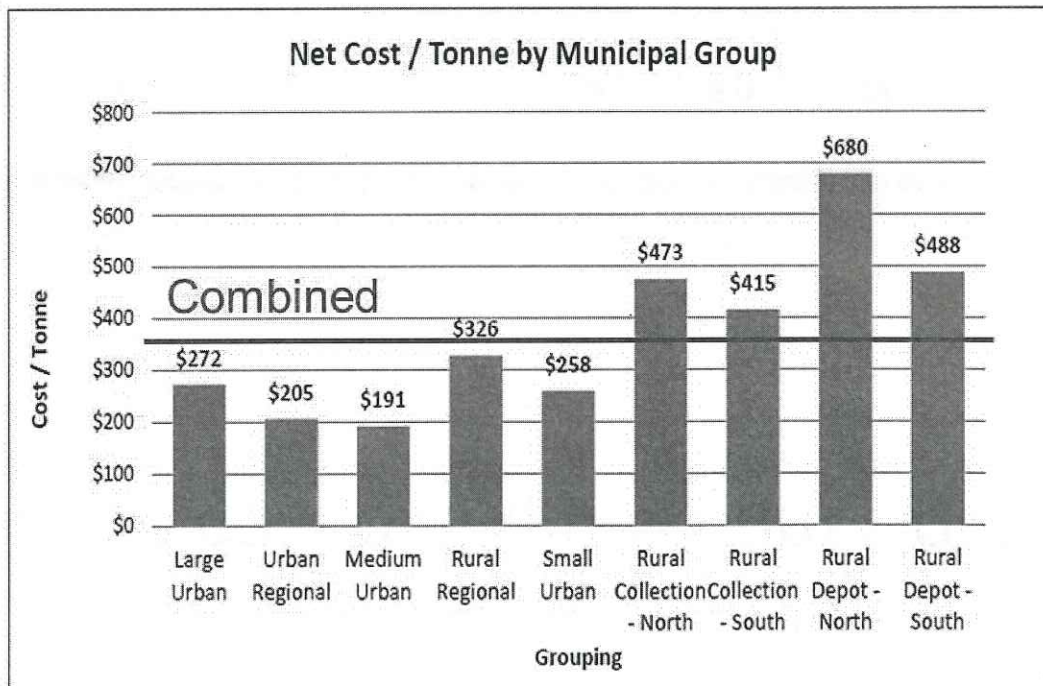
**French River = 10-20%**



# How are we doing

## Cost per Tonne to Recycle?

- French River – \$385
- Rural Collection North – \$473
- Ontario Average (2012)- \$268

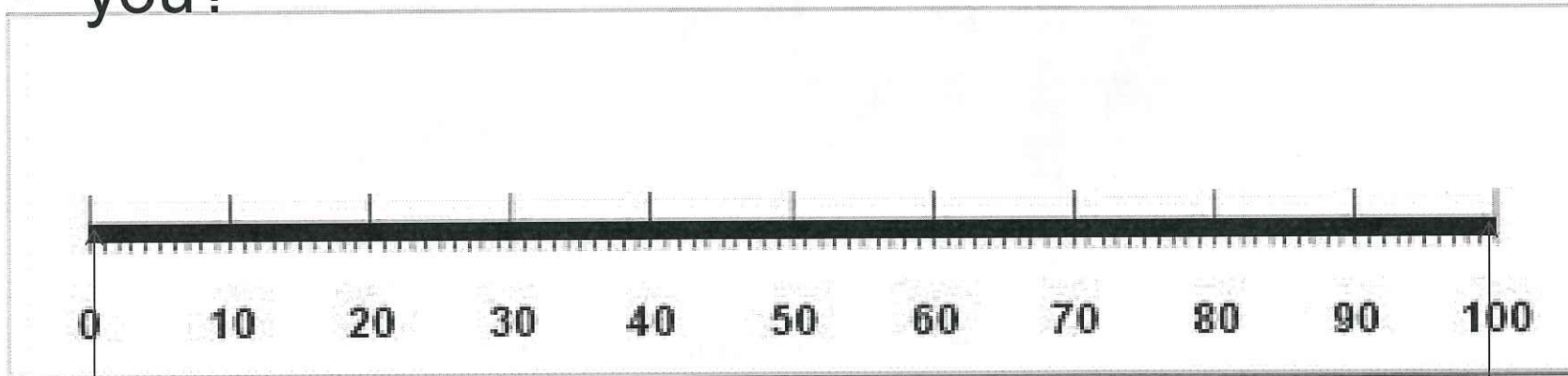


# Questionnaire



Use sticky dots to indicate your goal

- How is the cost of the program significant to you?

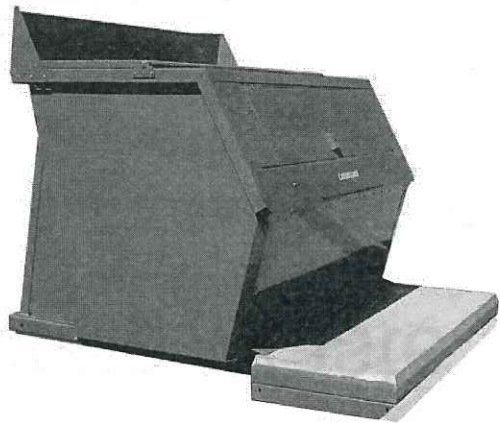


Lower cost possible to achieve our mandated requirements

Highest diversion possible to save landfill life and create a green environment

# Existing Waste Management System

- Six Depot Sites
- Recycling and Garbage Waste
- Recycling goes to 40 yard bin before being hauled to Sudbury
- Garbage Waste is hauled to Landfill Site
- Curb Collection to service accessibility needs (charged)



# Existing Waste Management System

## Some Issues:

- Need to Purchase New Collection Vehicle
- Bins have 10 year of useful life remaining
- Low efficiency
  - Double handling
  - Redundancy



# Waste Management System

## Option 1- Existing/Status quo

### Pros:

- Convenient Access 24/7
- Animal Proof



### Cons:

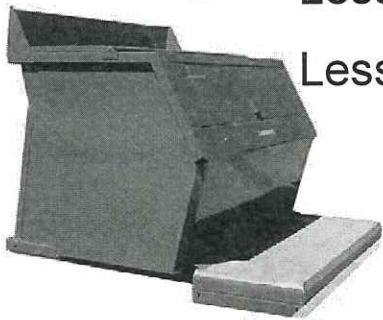
- Lack of Control; Non-resident, litter, hazardous waste, scavengers, recycling in garbage
- Loss of Tipping fees
- Unsightly Depot sites
- Extra cost for cleanup and maintenance weekly
- High cost to haul and dispose of recycling material
- Need for continuous educational program for proper use of system
- Need to increase Enforcement to ensure compliance

# Waste Management System

## Option 2- Improved Depot Site System

### Consideration:

- Compacting Collection Vehicle
- Control mechanism
- Reduce Depot Sites (less than six (6))...
  - For scavengers
  - Non-resident use
  - Less clean-up
  - Less litter



### Concerns:

- Need for continuous education for proper use of system
- Need to increase enforcement to ensure compliance
- Need to purchase new collection vehicle, older truck would remain a spare
- Double handling of material is not resolved

# Waste Management System

## Option 3 – Curbside

### Summary:

- Waste Management By-law that would regulate:
  - times to put out waste/recycling
  - receptacles to be used (no freezers at end of driveway)
- Weekly curbside collection to all residential, commercial and institutional properties on maintained roads
- Limit waste bags per week (clear bags)
- Unlimited recycling materials (placed in blue bin, flattened and bundled cardboard/newspaper)



# Waste Management System

(Option 3 – Curbside)

## Pros:

- Reduction of assets and liability
- Improve limit and control of waste
- Increase and control recycling
- Increase life of landfill site
- Elimination of down time

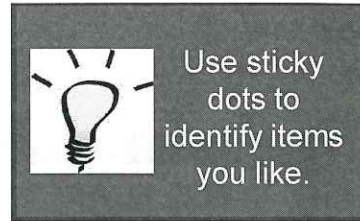



## Cons:


- Adjustment to seasonal and water access residents and residents on private roads
- Animal nuisance may increase if not managed correctly
- Education and enforcement will be necessary to prevent uncontrolled littering

# Waste Diversion Policies

## Option 3 – Curbside



- User Pay (tags) 
- Bags must be in container
- Lower Bag Limits
  - (2 weekly)
- Clear Bags
- Curbside bans (ex. no hazardous or electronics at curbside)

- Landfill Disposal bans (hazardous waste other than on designated days)
- Provision by Municipality of Larger Blue Boxes 
- Adjusted schedule depending on need/area (seasonal)
- Increase/adjust landfill hours
- Communal Bins (shared with other residents, ex: private roads)

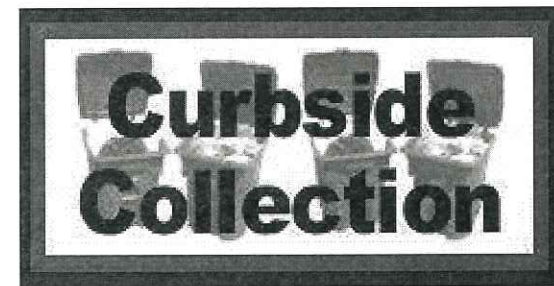
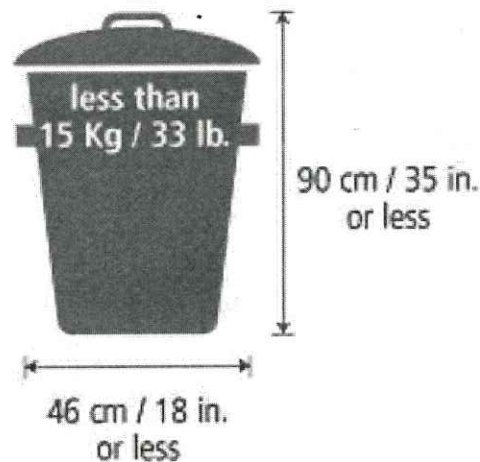
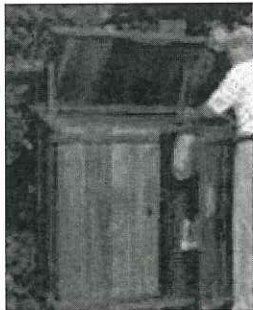
# Waste Management System

## Option 3 – Curbside

### Solutions:

- communal (shared) receptacle bins for the residents of private roads or near access point for water only access residents
- residential driveway bins (all bags must be placed in plastic container with lid)
- increase Landfill Site hours
- weekly collection frequency for waste and recycling
- adjusted schedule depending on need/area (seasonal)

Acceptable garbage containers



# **Thank you for your participation**

**Questions or Inquires:**

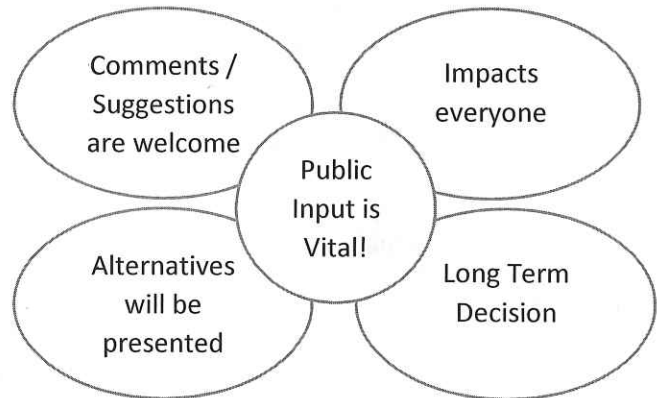
**Please see the FAQ Sheets for a list of our  
frequently asked questions and the  
opportunity to add your comments  
and/or additional questions.**



**Waste Management System – Public Consultation  
Open House at the Alban Community Centre  
Drop in anytime on Saturday May 16<sup>th</sup>, 2015 from 3pm to 8pm**

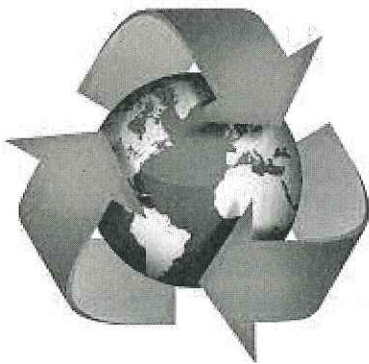
«AddressBlock»

The Municipality is reviewing methods for the collection and disposal of waste and recycling and **is considering changing the Bin Site System to a Curbside Pick-up System.**



**Why is changing the system being considered?**

- The current system is over 10 years old
- Garbage truck needs to be replaced
- Major repairs to equipment
- Pressures to justify costs (value for money)
- Need to control waste at the landfill
- Pressures to increase recycling
- Safety



**To be discussed:**

- Pros/Cons Bin Site Services
- Pros/Cons Curbside
- Cost of Alternatives
- Animal Control Management
- Public Roads, Private Roads and Water Access
- Impact on Landfill & Landfill Hours of Operation
- Proposed Collection Schedule
- Permissible Garbage & Recycling Containers
- Status Update on Waste Diversion
- Survey

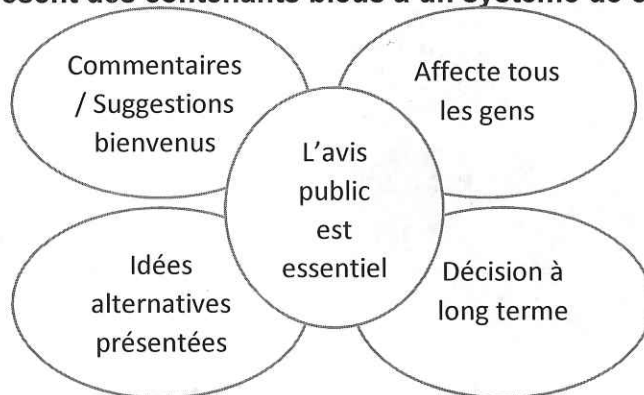
**Thank you for your interest;  
Email us your comments at [info@frenchriver.ca](mailto:info@frenchriver.ca)**



**Système de gestion des déchets - Consultation publique**  
**Portes ouvertes au centre communautaire d'Alban**  
**Passer quand vous le voulez, samedi le 16 mai, 2015 entre 15h et 20h**

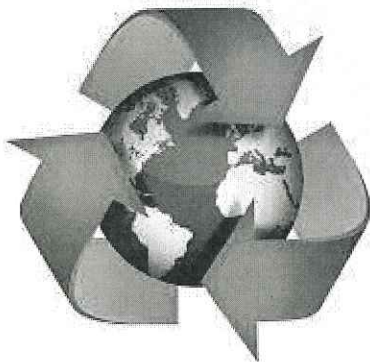


La Municipalité examine les différentes méthodes pour la collecte et l'élimination des déchets et du recyclage, et **propose de changer le système présent des contenants bleus à un système de collecte à domicile.**



**Pourquoi changer le système présent ?**

- Le système actuel est âgé de plus de 10 ans
- Le camion à ordures doit être remplacé
- Les réparations majeures à l'équipement sont requises
- Les pressions pour justifier les coûts (optimisation des ressources)
- La nécessité de contrôler les déchets au dépotoir
- Les pressions pour augmenter le recyclage



**À être discuté:**

- Les avantages / inconvénients de la collecte à domicile
- Les pour/ contre des contenants bleus
- Le coût des alternatives
- La gestion et le contrôle des animaux
- Les routes publiques, les chemins privés et l'accès à l'eau
- L'impact sur le dépotoir et ses heures d'ouverture
- L'horaire de collecte proposée
- Les ordures admissibles & les contenants de recyclage
- La mise à jour de la situation sur le réacheminement des déchets
- Sondage à venir

**Merci de votre intérêt;**

**Envoyez vos commentaires à: [info@frenchriver.ca](mailto:info@frenchriver.ca)**



# Waste Management Report

Months	Year 2011	Year 2012	Year 2013
January	4	10	12
February	7	9	13
March	9	6	12
April	8	10	13
May	10	12	12
June	12	12	13
July	13	15	16
August	13	13	17
September	14	12	14
October	11	15	13
November	8	12	10
December	8	14	10
<b>Total Loads</b>	<b>117</b>	<b>140</b>	<b>155</b>

ITEMS	007 SECURITY SOLUTIONS	ALARM NORTH	I-VISION	CHUBB EDWARDS
<b>NEW CAMERAS</b>	Total: \$355.98  1X 355.98 Night Vision Camera 3MP. 1080P. IR LEDs length 30m. 4mm Fixed Lens. 1X 355.98	Total: \$1375.00  4x 269.00 HDCVI 2.8-12mm LENS 30SPF 1080PHD BULLET CAM 20M IR  4X 25.00 ALUMNIMUM VANDAL PROOF BACKPLATE JUNCTION BOX  1X 199.00 IR IMMULATOR 100 METER	Total: \$972.00 2x 486.00 Panasonic WV-CW314 Outdoor High Res. Day Night Cameras w/ I.R	N/A
<b>EXISTING CAMERAS</b>	YES	NO	NO	YES
<b>DVR/ HARD DRIVE</b>	Total: \$778.99 Nightvision 4 channel analog & 4 channel IP Hybrid NVR. 4TB HDD	Total: \$714.00 ASD-HDCVI TB 4 CH HDVCI DVR 1080P HD LV HDMI & 1TB Sata HDD Seagate 7200 rpm hard drive (2 year warranty)	Total: \$721.00 PELCO DX 4104-500 4 Channel DVR w/ 500GB storage (Billed to Amber) ( Use existing ACER VGA Monitor)	Total: \$1,406.43 Digital Recorder: 4 Input, 1TB HD Hybrid TVR- 1204CHD-1T
<b>INSTALL TION</b>	Total: \$600.00 (No Lift Required)	Total: \$340.00	Total: \$1165.00 (Includes Lift Rental)	Total: 2,174.40 (Includes Lift Rental)
<b>OTHER</b>	Total: \$175.00 No Static IP address needed	Total: \$163.00 No Static IP address needed	Static IP address needed	N/A
<b>TOTAL COST</b>	<b>\$2,158.27</b>	<b>\$2,934.61</b>	<b>\$3,229.54</b>	<b>\$3,580.83</b>

**BUSINESS CONTACT INFORMATION**



# The Corporation of the Municipality of French River

## Action Report

<b>REPORT TO:</b> Council	<b>REPORT FROM:</b> Julie Bouthillette, CPA, CGA	<b>MEETING DATE:</b> February 11, 2015
------------------------------	---	---

### WASTE MANAGEMENT COLLECTION AND DISPOSAL SERVICES

#### Subject

To create an ad-hoc committee to review Waste Management Collection and Disposal Services options and RFP responses, to prepare reports and presentation for Council and Public.

#### Background

On January 21<sup>st</sup>, 2015, Council approved that the timeline and that an ad hoc committee be created including members of Council and the team proposed in the Waste Management Collection & Disposal Services Report be determined at the February 11th Regular Council Meetings and commits up to \$2,500 (municipal portion of HST included) of the 2015 budget.

#### Discussion / Financial Consideration

The proposed timeline is as follows:

1. Team meeting 1: Determine Scoring Grid and Evaluate all RFP's
2. Team meeting 2: Preparation of Council Presentation
3. Council meeting: Presentation to Council *when / why public meeting*
4. Presentation to Public Town Hall meeting: *Communication package*
5. Council Meeting: Decision point

February 18<sup>th</sup>

—

March 11<sup>th</sup> to Rcm

April 11<sup>th</sup> meeting

May 13<sup>th</sup>

*Remain your*

*Concerns*

*End*

*↳ Curbside  
↳ Award of  
contract.*

Ad Hoc Committee Members Proposed:

Councillor Tammy Mitchell

Councillor Ron Garbutt

Melanie Bouffard: Acting CAO

Jim Sartor: Public Works Superintendent (responsible for environmental services)

Kevin Benvenuty : Environmental Services Senior Operator

Julie Bouthillette, CPA, CGA: Treasurer

Antoine C. Boucher, P. Eng: Director of Public Works and Engineering from the Municipality of East Ferris

#### Financial Considerations

To be determined by the ad-hoc committee.

**Strategic Plan**

**Objective:** Ensure environmental compliance and efficient waste collection.

**Direction:** French River is a community where it is as convenient to recycle as possible, and the level of service provided meets or exceeds the needs of its ratepayers.

**Objective:** Ensure timely knowledge of policies, bylaws, and building control standards.

**Direction:** French River is a community where development and enforcement (zoning, building control, by-law) is encouraged through the use of modern technology, persistent training and consistent communication with the public.

**Objective:** Provide beautiful places for the community to gather.

**Direction:** French River is a community where residents are proud to gather in accessible and properly maintained public spaces.

**Communication Plan**

To be determined by the ad-hoc committee.

**Recommendation**

To appoint the proposed members to the ad-hoc committee.

**Document(s) Attached**

N/A

\*Original Reports have been signed by:

\_\_\_\_\_  
**Prepared by:**  
**Jim Sartor, Public Works Superintendent**

\_\_\_\_\_  
**Reviewed by:**  
**Julie Bouthillette, Treasurer**

\_\_\_\_\_  
**Approved by: Mélanie Bouffard, Acting CAO/Clerk**



# The Corporation of the Municipality of French River

## Action Report

<b>REPORT TO:</b> Council	<b>REPORT FROM:</b> Jim Sartor	<b>MEETING DATE:</b> February 05, 2015
------------------------------	-----------------------------------	---

### **Environmental Assessment 2015 work plan and budget**

#### **Subject**

To ensure continuity and timely progression of Phase 2 & 3 expansions.

#### **Background**

As per a discussion with Jim Yardley, P. Eng. From Conestoga Rovers (CRA) on February 05<sup>th</sup>, 2015 the following is a very condensed version of the history of the landfill expansion plans and the environmental assessment.

- 2005-2006: Ministry of Environment and the Municipality presumed that they were running out of waste capacity.
- 2006-2007: CRA was engaged to determine the landfill capacity and an environmental assessment was commenced to ensure that the capacity was adequate to handle 20 years of waste for the Municipality and surrounding areas.
- 2007: CRA determined that the landfill capacity was already approx. 20 yrs.
- 2007 – 2008: since the EA's scope was to ensure that we had 20 years of capacity and that CRA determined that we already had 20 years of capacity Council had to decide whether or not to continue with EA to allow 20 more years for a total of 40 years of capacity from 2010.
- 2009-2013: EA in progress. It is unusual that an EA takes 7 years to completion but the Municipality ran into issues with the planning board and the MOE. The MOE required that the first step was a planning by-law change to allow permit the completion of the EA to complete and EA required for planning by-law changes.
- 2014: MOE and Planning agreed to get the EA completed in first and that the required changes would follow. The draft EA has been submitted to the MOE.
- 2015: anticipated final completion of the EA.

#### **Discussion / Financial Considerations**

As per the attached the Work Program and Cost Estimate, the completion of the EA is scheduled for the fall of 2015. The cost to completion is \$55,381 + HST

#### **Strategic Plan**

**Objective:** Ensure environmental compliance and efficient waste collection.

**Direction:** French River is a community where it is as convenient to recycle as possible, and the level of service provided meets or exceeds the needs of its ratepayers.

**Communication Plan**

Communication will be attained to public posting of this report and minutes of regular council meeting.

**Recommendation**

The recommendation is to approve the capital cost of \$55,381 + HST as per the attached the Work Program and Cost Estimate in order to complete the EA as scheduled for the fall of 2015.

**Document(s) Attached**

Work Program and Cost Estimate prepared by Conestoga Rovers

**\*Original Reports have been signed by:**

\_\_\_\_\_  
**Prepared by:**

Jim Sartor, Public Works Superintendent

\_\_\_\_\_  
**Reviewed by:**

Julie Bouthillette, Treasurer

\_\_\_\_\_  
**Approved by:**

Mélanie Bouffard, Acting CAO/Clerk



# The Corporation of the Municipality of French River

## Action Report

<b>REPORT TO:</b> Council/Committee	<b>REPORT FROM:</b> Public Works Jim Sartor	<b>MEETING DATE:</b> September 9 <sup>th</sup> 2015
--	---	--

## WASTE MANAGEMENT COLLECTION / OPERATIONS

### Subject

Implementation of waste management controls to improve efficiencies and diversion rates at the Municipal Landfill Site. This report will address the viability of purchasing capital assets (garbage truck) and other related assets to gain control over waste management versus contracting said services.

### Background

It is an objective set in the Municipality of French River's (MFR) strategic plan to ensure environmental compliance and efficient waste collection. French River is a community where it is convenient to recycle, and the level of service provided meets or exceeds the needs of its ratepayers.

General and Public meetings have been held to consider waste management options that are the best fit for the MFR. No sustainable or cost effective solutions have been presented up to this point that have met requirements or been agreed upon for an efficient waste collection system.

At the Council Meeting held August, 12<sup>th</sup>, Council expressed their views on the curbside proposal and it was clear that curbside collection will no longer be considered in the options going forward.

### Strategic Plan Reference

The Strategic Plan clearly supports the recommendations laid out in this report.

***Simplify recycling:*** Remove barriers to recycling whenever possible, and expand the program (Including reuse) to divert waste from the landfill.

***Explore waste options:*** Identify waste management options with respect to the collection of waste, educate the public on diversion options, and improve the level of service.

**Maintain compliance:** Develop partnerships with the Ministry of the Environment, surrounding property owners, and levels of government to ensure that the landfill's phase 1 is completed, and that phases 2 and 3 are kept current in the face of changing regulations.

**Goals to support Strategic Plan:**

- Support the Landfill life expectancy
- Support control of prohibited and excess waste
- Support residents with education and efficient waste management services
- Increase Municipal recycling, generation of revenue
- Provide a positive Environmental impact on The Municipality of French River
- Support private business sectors

**Analysis**

Municipal staff reviewed the current waste management operations to decipher its current efficiencies, deficiencies and how to move forward to optimize the level of service that the MFR provides our residents.

Municipal staff have been educating our residents on current landfill operations and monitoring our Municipal bin sites. Preliminary statistics show that our Municipality can increase the amount of recycling and decrease waste that enters into our landfill with a more appropriate outcome. (See Appendix "A" & "B")

**OPTION A**

Purchase of capital asset (Garbage truck) for waste management operations and implement strict controls on our current system. (Appendix E)

**Modifications to current bin site locations**

Decrease the amount of locations to only entrance/exit areas of MFR. Recommendation that sites be monitored by cameras and employees. The sites will be fenced as consideration for controls and accommodation will be addressed for winter maintenance.

In order to improve the aesthetics of the Alban Community Centre (ACC) Bin Site options will be re-considered such as the relocation of the bins further behind the hall.

Additional modifications will include concrete based platform, which will allow for easier access for waste and recycling materials to be removed by operator as well as safety and life expectancy of equipment. Perimeters of all sites will be modified to ensure that proper winter maintenance controls can be effective. (See costing Matrix Appendix "C")

## **Bin site locations that will be closed**

### **1. Wolseley Bay site Hwy 528**

The recommendation of the closure of the Bin site on Wolseley Bay Road comes from statistics gathered that indicate the amount of users is less than other current sites. The site is prone to abuse as residents and non-residents drop large bulky items at this location instead of bringing to landfill which is very accessible (4 Km) from this location. MFR has a loss of user fee revenues as non-household waste should be disposed of at the landfill where a user fee would be collected.

### **2. Noelville public works site**

Noelville bin site that is housed on the Public Works property will be closed. The logistics behind this is that the landfill is located 2.5 km away and is very accessible for residents. The elimination of this site will also address the aesthetics in our community that will assist in our Economic Development strategies in improving our quality of place.

### **3. Shaw Road**

Also subject to Council consideration is the Shaw Road bin site (services 120 homes) this would be at council discretion. Shaw road would generate significant capital costs if controls were to be implemented. Statistics collected from pilot education program indicated that several non-residents use this site to drop items.

## **Installation of waste and recycling Bins at landfill**

Installation of two 10-15 yard bins that will be accessible by the public behind the already gated area will allow for proper sorting of materials that enter the landfill as well as decreasing risk and liability for landfill operators, residents and MFR. This initiative will be replacing the two closest bin site locations that would be closed (Public works, Wolseley Bay). *(See costing matrix Appendix "C")*

## **Weigh scale and software at landfill**

At this time it is impossible to verify amounts of materials entering our landfill, a weigh scale and compatible software allows staff to provide accurate user fees. Tonnages recorded can be used in accordance with outside resources (grants, recycling, and landfill life expectancy) as well as return on investment. *(Costing matrix Appendix "C") (Appendix "D" for software)*

*The weigh scale and software is a part of the Municipalities phase 2 for landfill expansion which is outlined in the Municipal strategic plan.*

## **Re-Use Building**

The re-use building is proposed to assist in reducing waste disposal through providing the ability for residents to place furniture and household items that still have a useful life in an area where others may view the items and take them to a new home. This approach is successful at other landfills to reduce waste entering the landfill. It would be critical that the Re-use building be monitored by staff.

*(Appendix "D")*

*The Re-Use Building is a part of the Municipalities phase 2 for landfill expansion which is outlined in the Municipal strategic plan.*

## **Bag tags**

Bag tags will be provided to each household (quantity yet to be determined) in order to control waste. Bag tags will be available to purchase from local retailers. In accordance with this item all residents must use clear plastic garbage bags to contain household waste and recycling, this will promote better waste diversion into landfill as well as recycling. Residents have the option to bring waste to landfill however pay a user fee of 2.50 a bag for any untagged bags. Recycling bags will not require tags. Staff is currently researching best practices for this service.

## **Private Services**

The municipality currently provides private services to businesses that have purchased a bin from the Municipality 13 years ago, these bins have surpassed their life expectancy and are of significant cost to the municipality for operations.

Staff is currently investigating MFR real costs associated with delivery of these private services. Businesses may opt out of this service and either contract to private waste service, or bring their waste to the landfill at a cost per the user fee bylaw and schedule- (yet to be determined).

In addition to providing businesses with private services, the Municipality is also reviewing the current private pick up service offered to seniors and those unable to access bins at the Landfill. The Municipality would encourage the private sector to provide said services.

## **Recycling**

Based on approximate statistics that were generated over a 4 week pilot data collection period the Municipality has seen a minimum of 13 percent increase in recycling diversion. With the modification of the current system, the municipality will consider review of the current recycling contract to reduce costs associated.

## **OPTION B**

Contracted services with controls to current system.

The Municipality has already agreed that it is necessary for controls to be placed on our current system in order to meet the environmental Assessment report for landfill expectancy and environmental compliance. At the council meeting held August 12<sup>th</sup>, Council expressed their views on the curbside option and it was clear that it will no longer be considered in the options going forward. This has left the Municipality with two options, Option A as described or Option B which is to contract services out.as described in option A with an estimate of 500k per year excluding the landfill operations, reuse centre as this would be located at the landfill. (*Appendix "F"*)

### **Financial Considerations B**

Estimate of \$500,000 k per year operational/contracted costs  
No capital cost of Garbage truck or modifications to bin sites  
Does not include capital investments at Landfill- loss of revenue

No payback period

### **Financial Considerations A**

Current operating costs for waste collection \$286,260.00  
Estimate of \$105,000.00 per year increase to operating costs  
Estimate of \$639,380.00 in capital investment initiatives  
Estimate of \$127,000.00 generated in user fees

Return on Investment 5 years  
Estimated cost savings annually utilizing "in house" services \$213,740.00

### **Recommendation**

It is recommended to:

1. Keep our current waste management system
2. Approve the purchase of a waste collection vehicle with compacting capabilities with cap amount 350,000
3. Direct staff to review options for recycling contracted services
4. Direct staff to provide a detailed scope of cost associated to waste collection improvements/alterations to be considered at the 2016 budget deliberations.

## **Communication Plan**

The Municipality educate rate payers by providing information leaflets at bin sites, new signage at bin sites that will include updated landfill hours and bin site changes that reflect the Municipalities ongoing support to community for a safe and healthy environment.

## **Document(s) Attached**

Appendix....A & B - Statistics generated from pilot data collection

Appendix....C - Costing matrix

Appendix....D - Landfill phase 2 (Weigh Scale, Geoware Software, Re-use Building)

Appendix....E - Capital Acquisition of Collection Vehicle (Garbage Truck)

Appendix....F - Waste management Collection and disposal (~~William day construction Ltd~~)

---

**Prepared by: Michelle Clark**

---

**Reviewed by: Jim Sartor, Roads Superintendent**

---

**Approved by: John Regan Ec.d (F), CEcD, CAO**

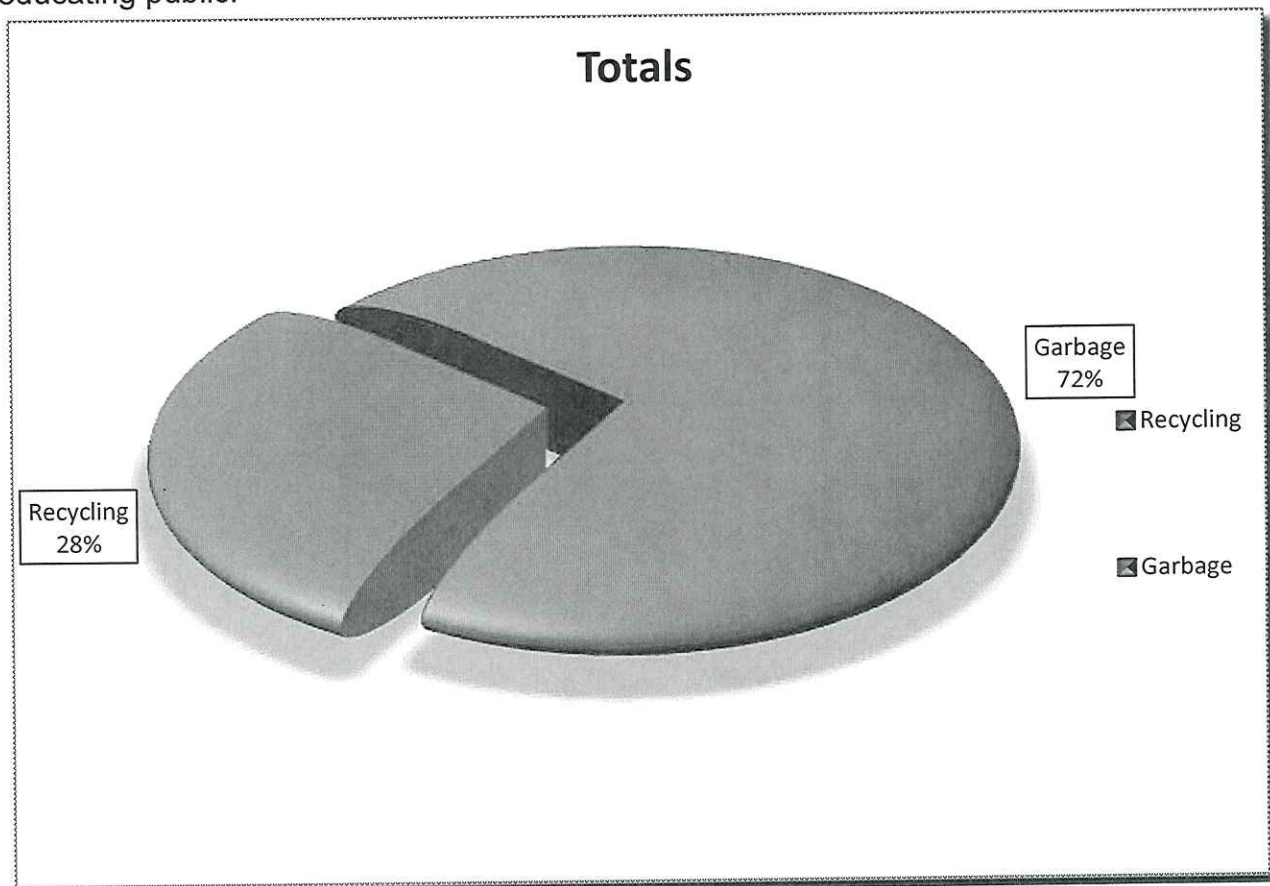
## Appendix-A

### Statistics

In conjunction with the efforts in educating our residents on the current waste management system, the following charts indicate the effectiveness of the education to the public and monitoring of bin site locations over a 4 week time span.

#### Data collected within the first two weeks of education:

This chart represents the diversion of recycling vs. waste into our landfill system, at time of educating public:



#### Note:

Waste diversion Ontario has projected that a minimum of 60% of waste diversion should be recycling.

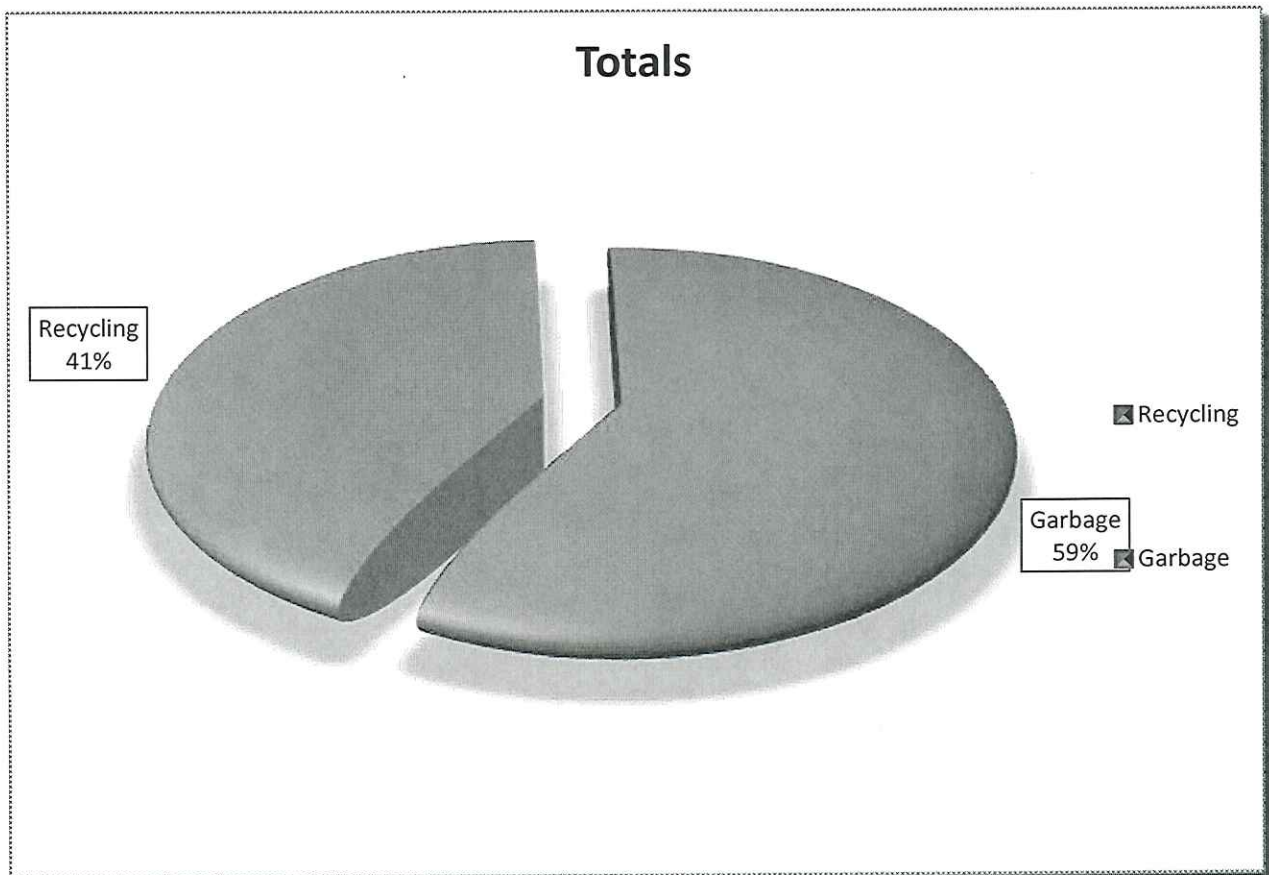
## APPENDIX- B

### Statistics

Municipal education for waste management spanned over a 4 week time was able to collect sufficient data in how the Municipality is currently diverting waste into the landfill. The following chart represents the data collection during the monitoring of the bin site locations during week 3 and 4

#### Data Collection week 3 and 4 of Bin Monitoring:

The chart below indicates that there has been a 13% recycling increase within the Municipal waste diversion system during monitoring of bin site locations.



## APPENDIX- C

### Preliminary Costing Matrix Option A

Initiative (Bin Sites)	Units	Cost	Total costing for initiative
Cameras	3	3100.00	9,300.00
8" high chain fence	2000	52.50	105,000.00
Terminal post	40	205.00	8,200.00
20" double gate	3	2100.00	6,300.00
Surveillance camera	3	3,060.00	9,180.00
Communication(radios)	3	800.00	2,400.00
8x8 man booth	3	9,000.00	27,000.00
Concrete pads	40	1,500.00	60,000.00
Signage/representation	3	1,500.00	4,500.00
waste collection/vehicle	1	318,000/ 145,000 (R)	173,000.00
Staffing(operational)	3	35,100.00	105,300.00
Total capital			404,880.00
Total capital/operation			509,180.00

\*160,000.00 in Reserves for Bin Operations

\*145,000.00 in reserves for waste collection vehicles

Initiative (Landfill)	Units	Cost	Total costing for initiative
Waste/Recycling bins	2	7,500.00	15,000.00
Weigh scale	1	125,000.00	125,000.00
Geoware (scale software)	1	25,000.00	25,000.00
Signage/representation	1		1,500.00
Re-use Building	1	68,000.00	68,000.00
Total capital			234,500.00

\*Grant opportunities may exist

Total cost of capital initiatives	639,380.00
Total cost increase to operational (annual)	105,000.00
Total cost of Initiatives (year one)	744,380.00



Corporation of the Municipality of French River  
 Corporation de la Municipalité de la Rivière des Français  
 P.O. Box/C.P. 156, 44 rue St. Christophe Street  
 Noëlville, Ontario  
 POM 2N0

**RESOLUTION**

MOVED BY: ds NO: 2015 - 278  
 SECONDED BY: cb DATE: September 9, 2015

**BE IT RESOLVED THAT** Council agrees to the following recommendations presented in the Waste Management Operations Review Report presented September 9, 2015:

1. Keep our current waste management system as described in Option A;
2. Approve the purchase of a waste collection vehicle with compacting capabilities for an amount up to \$350,000;
3. Direct staff to review options for recycling contracted services;
4. Direct staff to provide a detailed scope of cost associated to waste collection improvements/alterations as described in the report to be considered at the 2016 budget deliberations.

Motion to Amend

Moved By: Denny Sharp  
 Seconded By: Gisèle Pageau

To add 'but not limited' following 'as described in the report'

Amendment Carried

CARRIED       DEFEATED

*Michel Bigras*  
 CHAIR'S SIGNATURE

		Division Vote				
		FOR	AGAINST	FOR	AGAINST	
MAYOR Claude Bouffard	<input type="checkbox"/>	<input type="checkbox"/>		COUNCILLOR Gisèle Pageau	<input type="checkbox"/>	<input type="checkbox"/>
COUNCILLOR Michel Bigras	<input type="checkbox"/>	<input type="checkbox"/>		COUNCILLOR Denny Sharp	<input type="checkbox"/>	<input type="checkbox"/>
COUNCILLOR Ron Garbutt	<input type="checkbox"/>	<input type="checkbox"/>		COUNCILLOR Dean Wenborne	<input type="checkbox"/>	<input type="checkbox"/>

**Disclosure of Pecuniary Interest**

Name: \_\_\_\_\_

Name: \_\_\_\_\_



**CONESTOGA-ROVERS  
& ASSOCIATES**

651 Colby Drive, Waterloo, Ontario, N2V 1C2  
Telephone: (519) 884-0510 Fax: (519) 884-0525  
www.CRAworld.com

September 16, 2014

Reference No. 044477

Ms. Michelle Clark  
Public Works Administrator and Project Manager  
The Corporation of the Municipality of French River  
44 St. Christophe Street, Suite 1, P.O. Box 156  
Noëlville, Ontario  
P0M 2N0

Dear Ms. Clark:

Re: Budget Estimate – Weigh Scale  
2015 Noëlville Landfill Improvement Program - Phase 2  
Noëlville Landfill, Municipality of French River

As requested, Conestoga-Rovers & Associates (CRA) is pleased to provide the Municipality of French River (Municipality) with a budget estimate for the capital and engineering costs associated with the installation of a weigh scale at the Noëlville Landfill (Landfill or Site). The following provides a summary of the works included, in addition to their estimated costs.

The weigh scale proposed for the Site is as follows:

- A single 40-foot weigh scale supplied by a scale company and installed accounting to their installation requirements, including conduit and cables for scale operation needs. Weigh scale to be capable of handling standard waste haulage vehicles and truck/ trailer units used by residents and small contractors.
- Scale control features would include a dual green-red light system for directional control of vehicles
- Lightening protection
- Basic computer system interface and program to allow waste tracking and the printing of invoices. Computer and printer to be supplied by Municipality.
- Ramps for entry and exit from the scale

The estimated cost for the scale installation is based on a recent installation of a 40-foot scale at landfill. The total estimated cost is \$125,000. The cost breakdown is as follows:



**CONESTOGA-ROVERS  
& ASSOCIATES**

September 16, 2014

Reference No. 044477

- 2 -

- Supply and install 40-foot scale - \$84,000
- Installation of entry and exit ramps - \$10,000
- Electrical systems - \$10,000
- Engineering design, oversight (20 %) - \$21,000

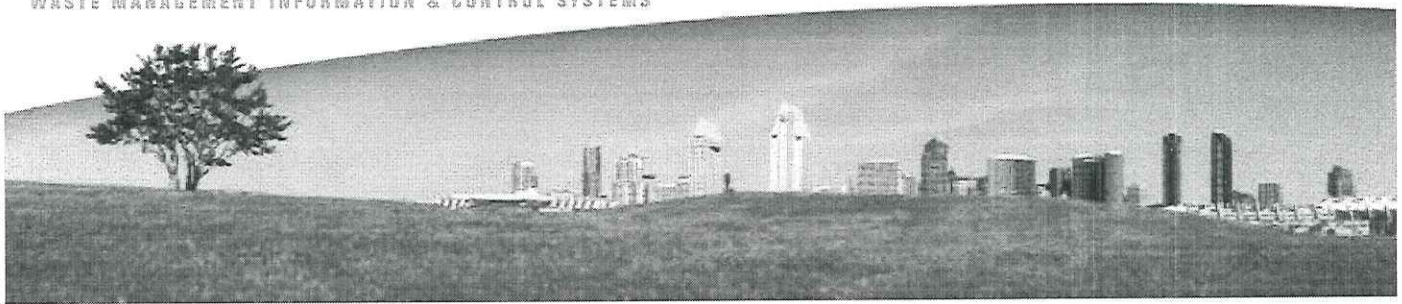
Should you have any questions on the above, please do not hesitate to contact the undersigned.

Yours truly,

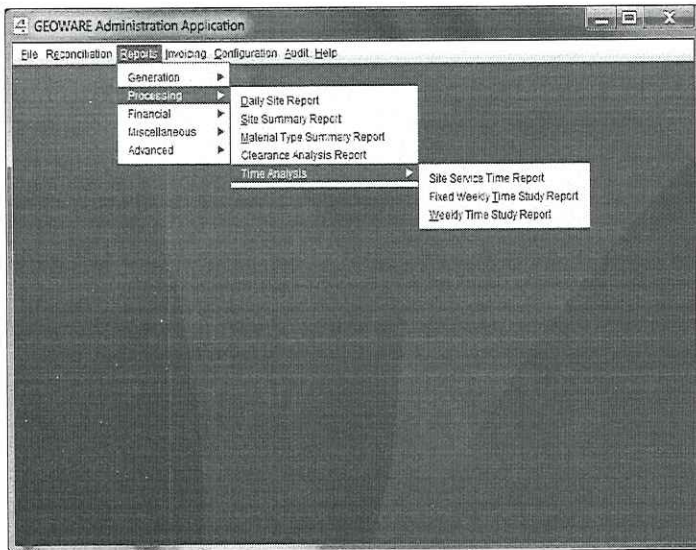
CONESTOGA-ROVERS & ASSOCIATES

James R. Yardley, P. Eng.

JRY/mg/5



At the Scalehouse, GEOWARE is deployed as a management solution that controls the flow of traffic and material for incoming and outgoing loads, as well as it provides accurate vehicle tracking and data collection. Each deployment consists of a Management System and an Operations System. The Management System is used by System Administrators, Managers, and Planners to monitor, administer, report, and control the entire GEOWARE solution. The Operations System is used by the Scalehouse Operators to process transactions.

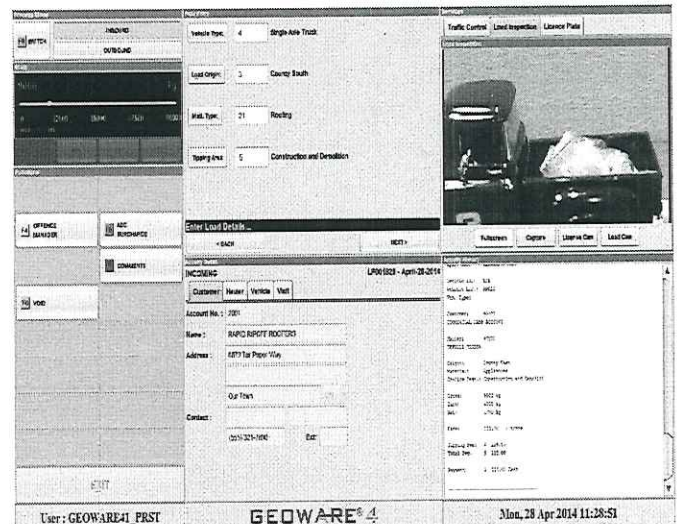


### The Management System

The Management System integrates all transactions from single or multiple sites into a centralized database for distributed reporting, control, and billing. This System also supports the transfer of data to external systems for Accounts Receivable and additional reporting purposes. System Administrators are able to set up new customer accounts, generate invoices, manage facility operations, and implement new rates without having to visit the site. Managers and Planners are able to query years worth of data and request complex performance calculations for data mining, trend analysis, and long-term planning.

### The Operations System

The Operations System is used for managing daily operations and ensures that business process is followed when processing transactions. It provides lane based entry and exit control, as well as fee calculation and payment handling control. Scalehouse Operators use this system to process and edit transactions, track vehicles on-site, calculate tipping fees, print tickets, and create daily reconciliation and audit reports. Operators are also able to track site violations, apply surcharges and subsidies, enter transaction data with a single key stroke, and confirm pre-entered data fields.



## GEOWARE Site Configurations

GEOWARE supports many different site configurations, including:

- A site with or without a scale.
- A site with dedicated inbound and outbound processing lanes.
- A site where one attended lane processes both inbound and outbound transactions.
- A site with one or more unattended processing lanes where vehicles are identified using RFID technology.
- A site with a semi-attended lane that is only attended during peak periods.
- A site with an unattended bypass lane that is monitored using RFID technology.



The GEOWARE solution is configured to support the unique vehicle and material flow requirements of each site. Any combination of the above mentioned configurations is possible.

## GEOWARE Technology Platforms

The GEOWARE solution is typically deployed in a Linux/Oracle environment or a Windows/Microsoft SQL environment. However, GEOWARE can also be deployed using other technology platform combinations.



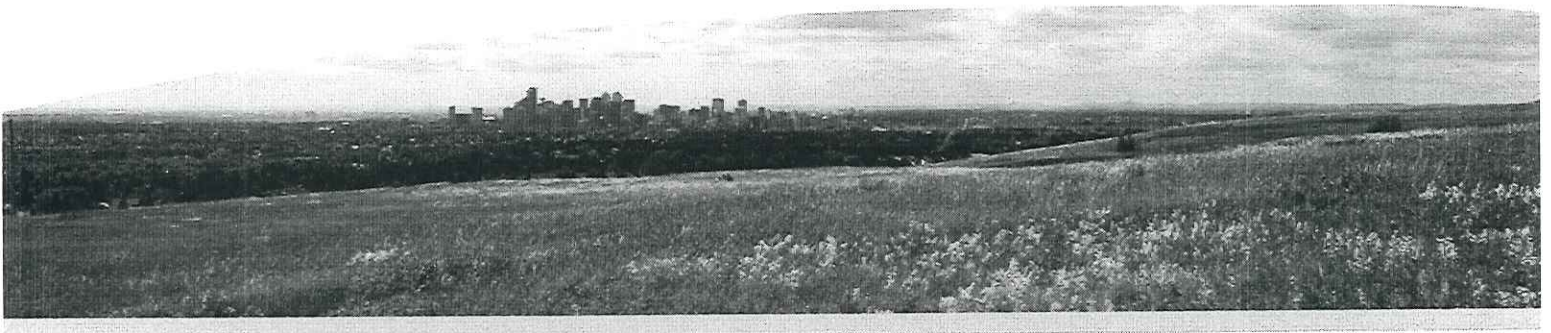
*"We've been using GEOWARE at the Oxford County Landfill since 1999. The product and the company are very reliable and responsive to our business and customer service needs. We highly recommend GEOWARE."* - Dave Vermeeren, Waste Management, Rural Property Supervisor, Oxford County, Ontario

*"GEOWARE really took the time to understand our business. They understand what our priorities are and what is mission critical."* - Erv Rehman, General Supervisor of Operations, Edmonton Waste Management Centre, Alberta

**CONTACT US TO RECEIVE A 60 MINUTE ONLINE DEMONSTRATION**

**GEOWARE®**  
WASTE MANAGEMENT INFORMATION & CONTROL SYSTEMS

www.geowareinc.com Toll Free: 1-800-900-4252



### Trusted, Proven, Experienced

For almost 30 years, Geoware Inc. has been trusted to deliver proven software and service solutions, to waste management organizations responsible for the collection, processing, recycling, and disposal of solid waste. From scalehouse operations to administrative reporting, we understand what it takes to help you achieve your business objectives.



### Simple, Affordable, and Easy to Use

We understand you need a system that is simple, affordable, and easy to use. **GEOWARE BASIC** was designed specifically to meet those needs. Our simple user interface enables anyone, even those with minimal computer experience, to quickly and confidently operate the system. All at a price that is surprisingly affordable!

### Flexible and Efficient

Today's business realities challenge everyone to do more with less. **GEOWARE BASIC** responds quickly and easily to changes in your business requirements, be they seasonal, environmental, or regulatory in nature. With **GEOWARE** on your site, your operation will be more efficient and you'll be able to deliver on your business objectives, while providing exceptional speed and service to your valued customers.

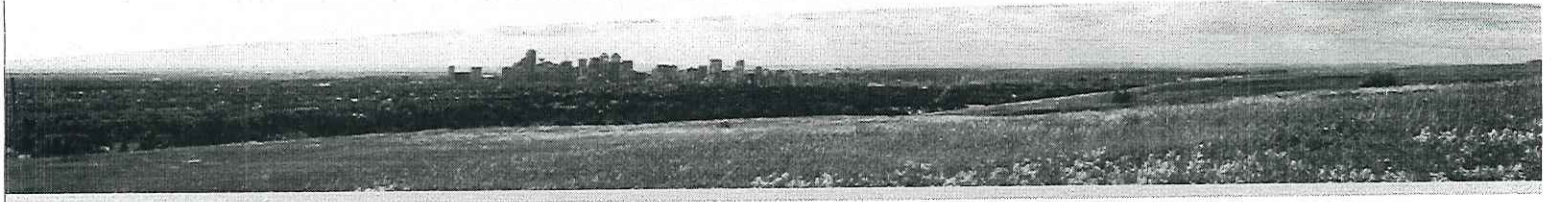
"We've been using **GEOWARE** at the Oxford County Landfill since 1999. The product and the company are very reliable and responsive to our business and customer service needs. We highly recommend **GEOWARE**."

Dave Vermeeren,  
Waste Management, Rural Property Supervisor,  
Oxford County, Ontario

### Support and Service

Investing in an affordable system shouldn't mean having to sacrifice on service and support. Our qualified service team is committed to providing you with timely, personal service, backed by almost 30 years of expertise for total peace of mind. A quality product, professional customer service and support, and exceptional business results mean you will always benefit from your investment in **GEOWARE**!





# GEOWARE® BASIC Includes:

## Key Features

- Simple, user-friendly, control panel design, puts everything at the attendants fingertips
- Dedicated function keys and programmable "Hot Keys" make data entry quick and easy
- Enforces consistent work-flow to reduce errors and provide consistent data
- Scrollable on-screen ticket history
- Easy to generate and export reports
- Easily transfer data to your accounting system
- Optional modules for surcharges and to track site rule violations
- Simple to learn, easy to use, affordable to own
- Backed by years of industry focused experience & superior customer service!
- Much more...

### Material Type Report

City of Lights - Environmental Services  
 Sites : LF  
 Material Direction : All  
 Material Stream : All  
 For Period: 01-Jan-2011 to 31-Dec-2011

Code	Type Description	Loads (#)	Loads (%)	Weight (tn)	Weight (%)	Fees (\$)	Fees (%)
1	Mixed Solid Waste	74.00	52.11%	273.11	47.13%	\$31,254.50	40.13%
2	Yardwaste	1.00	0.70%	4.00	0.69%	\$480.00	0.72%
14	Newsprint	2.00	1.41%	3.00	0.52%	\$345.00	0.54%
21	Roofing	28.00	19.72%	80.50	13.89%	\$9,507.50	14.95%
42	Contaminated Soil	23.00	16.20%	170.90	29.49%	\$18,963.50	29.81%
71	Special Handling	6.00	4.23%	25.50	4.40%	\$2,932.50	4.81%
80	Clean Wood	1.00	0.70%	8.00	1.38%	\$0.00	0.00%
83	Mulch	6.00	4.23%	6.50	1.12%	\$150.00	0.24%
100	Mixed Recycling	1.00	0.70%	8.00	1.38%	\$0.00	0.00%
			100.00%		100.00%		100.00%
Grand Totals:		142.00		573.51		\$83,813.00	

**CONTACT US TODAY TO RECEIVE A FREE 60 MINUTE ONLINE PRESENTATION**  
 Toll Free 1-800-900-4252



101 RANDALL DRIVE, UNIT B  
 WATERLOO, ON N2V 1C5  
[www.geoware4.com](http://www.geoware4.com)



**CONESTOGA-ROVERS  
& ASSOCIATES**

651 Colby Drive, Waterloo, Ontario, N2V 1C2  
Telephone: (519) 884-0510 Fax: (519) 884-0525  
www.CRAworld.com

September 12, 2014

Reference No. 044477

Ms. Michelle Clark  
Public Works Administrator and Project Manager  
The Corporation of the Municipality of French River  
44 St. Christophe Street, Suite 1, P.O. Box 156  
Noëlville, Ontario  
POM 2N0

Dear Ms. Clark:

Re: Budget Estimate – Re-Use Building  
2015 Noëlville Landfill Improvement Program - Phase 2  
Noëlville Landfill, Municipality of French River

As requested, Conestoga-Rovers & Associates (CRA) is pleased to provide the Municipality of French River (Municipality) with a budget estimate for the capital and engineering costs associated with including a Re-Use Building in the 2015 Landfill Improvement Program for the Noëlville Landfill (Landfill or Site). The following provides a summary of the works included, in addition to their estimated costs.

The Re-Use Building is proposed to assist in reducing waste disposal through providing the ability for residents to place furniture and household items that still have a useful life in an area where others may review the items and take them to a new home. This approach is used successful at other landfills to reduce waste disposal. It is critical that the Re-Use building be monitored by staff.

The Re-Use Building proposed for the Site is as follows:

- A 7.3 m x 12.2 m (24 ft x 40 ft), pre-engineered fabric building
- A 0.3 m thick reinforced concrete slab with a 0.6 m high foundation wall around the building
- Basic lighting
- Two man doors
- One roll-up garage door

Per the above discussion, the capital cost for the Re-Use Building is estimated to be \$60,000 (excluding HST). The estimated cost to conduct Engineering services associated with the Re-Use Building is \$8,000 (excluding HST).



**CONESTOGA-ROVERS  
& ASSOCIATES**

September 12, 2014

Reference No. 044477

- 2 -

Should you have any questions on the above, please do not hesitate to contact the undersigned.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

A handwritten signature in black ink, reading 'James R. Yardley'. The signature is fluid and cursive, with a large, sweeping flourish at the end.

James R. Yardley, P. Eng.

JRY/ac/3



C. Kelly Philipp  
Vice President

Kelly@haulall.com  
[P]403.328.7788  
[F]403.328.9956

www.haulall.com

August 12, 2015

**RE: Sole Source Procurement**

---

To Whom It May Concern:

The Haul-All Side Loading Collection Vehicles with HL Arm, such as the OmniPak, designed to service the Haul-All HL6 Container System, is a patented product, protected by Canadian patent # 2,187,856 and U.S. Patent # 08868182.

Haul-All's Depot System and Collection Vehicles are procured by Canadian and U.S. municipalities under sole source purchasing arrangements due to the patented nature of the product.

Haul-All Equipment Ltd. sells the Haul-All product on a direct basis throughout North America. Equipment is serviced by our dealer NexGen Municipal Inc. of Burlington, Ontario. All equipment prices are disclosed during our planning and proposal stages and firm price quotations are issued to all customers. These prices remain firm for 90 days and once the system design has been negotiated and accepted, form the basis of the purchase order.

Sole source procurement for similar Haul-All systems is common throughout Canada and the U.S. Major municipalities such as the Region of Peel in Canada and New York City in the U.S. regularly procure Haul-All product on a sole source basis.

Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,

HAUL-ALL EQUIPMENT LTD.

Kelly Philipp  
Vice President

Haul-All Equipment Ltd.  
4115 - 18th Ave. North  
Lethbridge, Alberta  
Canada T1H 5G1



Tel: 800-567-0103x24  
Fax: 905-336-3035  
bill.vanderlinden@haulall.com  
www.haulall.com

## SALES QUOTATION 2015

**For:** Municipality of French River  
P.O. Box 156, 44 Rue St. Christophe Street, Suite  
Noelville, Ontario P0M 2N0  
  
Attention: Jim Sartor - PW Supt. - MB 705-562-0323 <jsartor@frenchriver.ca>

Date: August 12, 2015  
Salesman: Bill Vanderlinden  
QUOTE # - Q081215HA  
Tel: 705-898-2900  
Fax:

Qty.	Model	Description	Unit Price	Extended Price
		<b>OMNI-PAK HIGH COMPACTION DEPOT COLLECTION VEHICLE</b>		
1	OMNI-PAK 24R	HAUL-ALL OMNI-PAK 24 Cu.Yd. High Compacting Collection Body - RH Loading	\$ 188,500.00	\$ 188,500.00
		<u>Standard Features</u> * 24 Cu.Yd. Wayne Main Compaction System Body * Moves 1.30 Cu.Yds. Per 12 Second packing cycle @ 1200 rpm * Packs on the fly * Packer is Platen type design, integral with body * Packing panel is guided by a single self cleaning "T" rail * Tilt to dump unloading * Hydraulic tailgate top hinged bustle type * Large width 8 cu. yd. volume charge hopper below crusher panel to accommodate complete container dump * Crusher Panel included * 6 Cu. Yd. Loading Bucket * Installation on chassis included		
1		Non-Metallic "Standard" Paint - One Color (Grabber Blue)	N/C	N/C
		<u>Customer Supplied Chassis</u> * Chassis specs must be approved by Haul-All prior to ordering * Chassis to be drop shipped to Lethbridge, Alberta * Chassis PDI required before delivery to HA		
1	HL-3725	HL Dumping Arm for HL Containers With Integrated Locking Head	\$ 6,950.00	\$ 6,950.00
1	FREIGHT	Freight (Lethbridge, AB to Noelville, ON)	\$ 8,000.00	\$ 8,000.00

<b>TOTAL HAUL-ALL BODY &amp; INSTALLATION</b>	<b>\$ 203,450.00</b>
---	----------------------

1	Freightliner M2	2016 Freightliner M2 Tandem Chassis with 204" CT		\$ 116,231.00
		16,000 Lb. Front Axle, 46,000 Lb. Rear Axle, Engine Cummins ISL - 350 HP Diesel Engine, 1000 ft/lbs @ 1400 rpm, Allison RDS3000 Transmission (Based on Version 8.7.210 - PRL-10M.024 Dated: 08/07/2015 @ 3:15PM from Metro Freightliner, ON)		

<b>GRAND TOTAL CHASSIS &amp; BODY</b>	<b>\$ 319,681.00</b>
---------------------------------------	----------------------

**Warranty:**  
Haul-All One Year Parts & Labour  
F.O.B. Lethbridge, Alberta

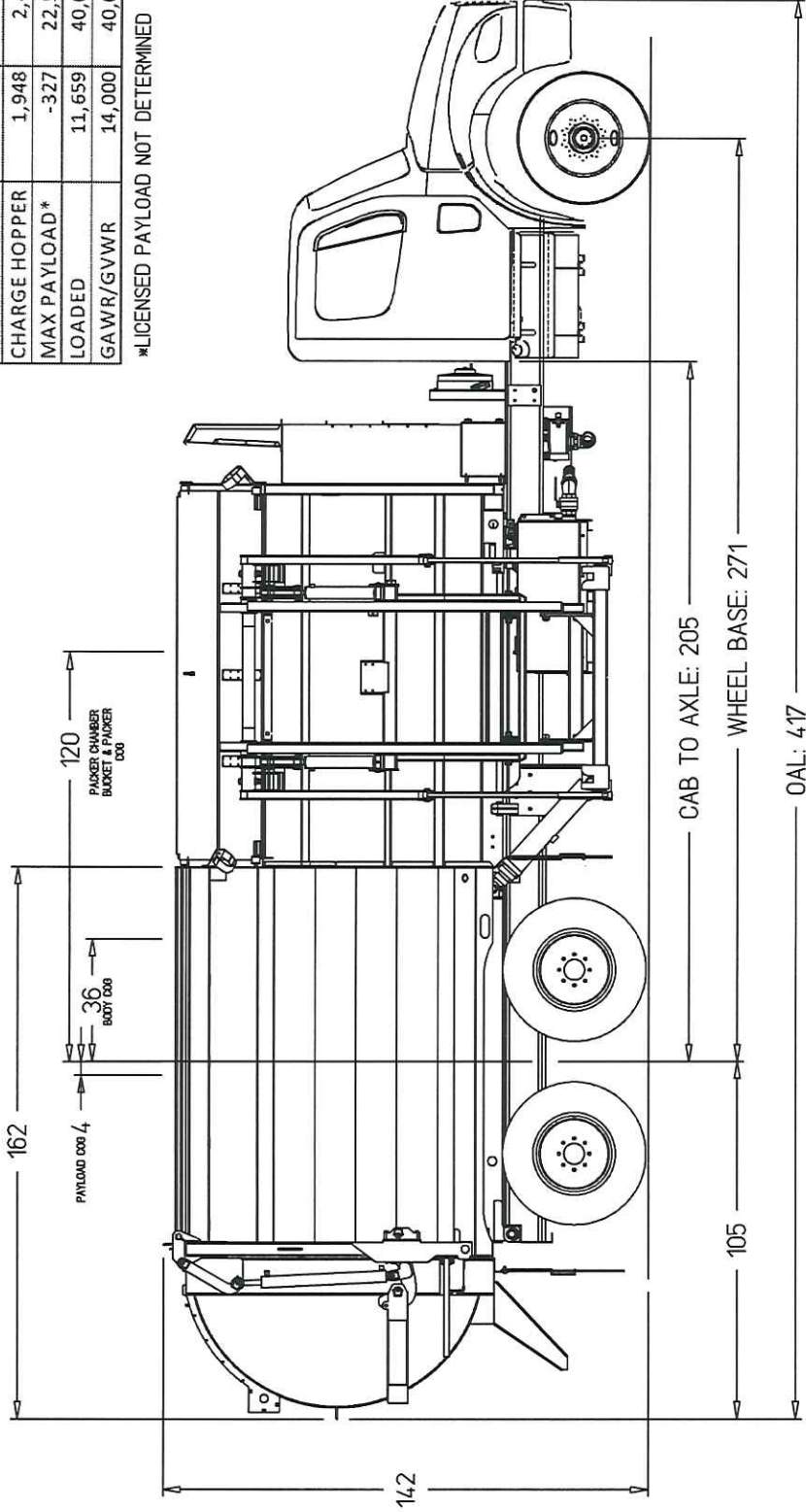
**Terms:** This Quotation Binding for 30 days  
**All Pricing in CDN Funds, Taxes Extra Where Applicable**  
**Payment:** 35% Deposit with Order, Balance Net Delivery  
**Delivery:** 180 days from date of order, F.O.B. Noelville, ON

CUSTOMER APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

### ESTIMATED WEIGHT DISTRIBUTION

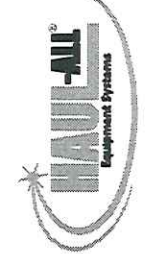
WEIGHT DISTRIBUTION (lbs)			
MFG/MODEL	2014 FREIGHTLINER M2		
BODY	OMNIPAK RH (RW24R)		
OPTIONS	-		
	FRONT	REAR	TOTAL
CHASSIS TARE	8,949	7,934	16,883
BODY	1,089	7,111	8,200
-	0	0	0
CHARGE HOPPER	1,948	2,452	4,400
MAX PAYLOAD*	-327	22,503	22,176
LOADED	11,659	40,000	51,659
GAWR/GVWR	14,000	40,000	54,000

\*LICENSED PAYLOAD NOT DETERMINED



WEIGHTS AND MEASURES ARE ESTIMATES AND ARE SUBJECT TO CHANGE.  
ACTUAL TRUCK CONFIGURATION MAY NOT BE EXACTLY AS SHOWN.

HAUL-ALL EQUIPMENT LTD. reserves Proprietary rights on this drawing or any part of the information contained thereon. This drawing shall be considered confidential material and is not to be used in any procurements other than from Haul-All Equipment Ltd.



NAME	FTL M2 W/ RW24R WEIGHT DISTRIBUTION	REV #	REVISION	DCO #
DRAWING NO.	1458	A	FOR REFERENCE ONLY	X
MATERIAL	AS SHOWN			
DATE	13 APR 2015			
DRAWN BY	BA			



# Omnipak

Side Load  
Bin Service



*Commercial, Industrial,  
Residential*

**Waste / Recycling**



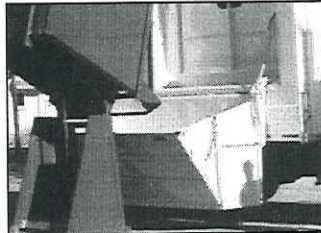
# Omnipak

Side Load  
Bin Service

## Flexible Collection



- ❖ Automated bin tipper with dump cycle less than 25 seconds.
- ❖ 4 foot service reach.
- ❖ Available left or right side.



- ❖ COMING SOON: Service Hyd-A-Way containers with the optional 6 cu yd bucket.
- ❖ 15 second dump cycle.
- ❖ Available right side.

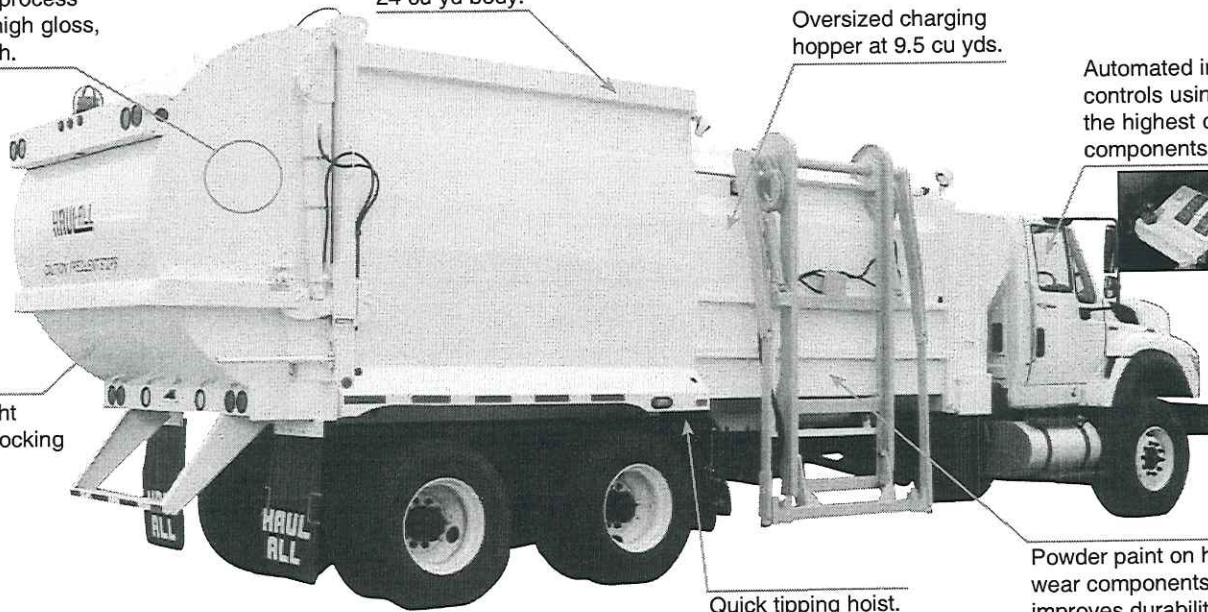
Liquid paint process achieves a high gloss, durable finish.

24 cu yd body.

Oversized charging hopper at 9.5 cu yds.

Automated in-cab controls using only the highest quality components.

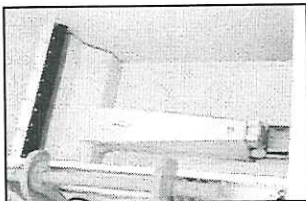
Liquid tight and self locking tailgate.



Quick tipping hoist.

Powder paint on high wear components improves durability and rust resistance.

## Unique Packer



- ❖ Bullnose packer maximizes payload.
- ❖ Optional crusher panel is easy to use and allows material to flow back into the hopper.
- ❖ Pack-on-the-Fly eliminates wait time at the pick up site.
- ❖ Packs over 210,000 cu in. of material per stroke.
- ❖ Folding cover panel protects cylinder through packing cycle.

Distributor

**Phone:** 888-HAUL-ALL (428-5255)  
403.328.7788

**Fax:** 403.328.9956

**E-mail:** sales@haulall.com

www.haulall.com

Haul-All is a Registered Trademark.

Request for Proposal  
Waste Management Collection and Disposal

Submitted by – William Day Construction Limited  
September 01, 2015



September 01, 2015

William Day Construction Limited  
Box 1060, Azilda, Ontario P0M 1B0 Phone : (705) 682-1555 Fax : (705) 682-2739

---

Municipality of French River  
44 Christophe Street  
P.O. Box 156  
French River, ON.  
P0M 2N0

Attention: Mr. John Regan, CAO

Re: Waste Management Collection and Disposal

---

Dear Sir:

We are pleased to provide the following budgetary numbers for the supply of waste and recyclable collection services for the Municipality of French River.

The Day Group's Environment Division has been involved in providing industrial and municipal waste services in Northern Ontario for many years. We currently provide curb side collection of waste and recyclables for one third of City of Greater Sudbury and have over 2,000 bin collection clients including Glencore Nickel and Vale Canada. Day also operates the three municipal landfills in the City of Greater Sudbury as well as Glencore and Vale's industrial landfills.

We have reviewed the previous tender documents, examined the premises and as per your latest changes (reduction of bins) will provide budgetary numbers for the supply of waste and recyclable collection services.

Thank you for the opportunity to participate and we would be pleased to meet with you and your staff to discuss our proposal.

Yours truly,

Kevin Eady  
Operational Controller  
William Day Construction Limited

## Licenses and Environmental Compliance Approval (ECA)

Day currently operates a waste management system under Certificate of Approval # A8911. All Day personnel have annual WHMIS and NORCAT certification. The drivers are trained in spill response and where applicable, Transportation of Dangerous Goods.

### Reporting

- *How will collected tonnages be reported to the Municipality?*

At the end of each month an electronic spreadsheet will be submitted to the Municipality. Collection trucks are equipped with weigh scales and can weight each bin collected.

- *How will marketed tonnages information be reported to the Municipality?*

At the end of each month an electronic spreadsheet will be submitted to the Municipality. Collection trucks will weigh in on the City of Greater Sudbury government certified weigh scale post and prior to delivery recyclables.

### Complaint Process:

Day staff are trained to conduct themselves in a professional manner when dealing with the public. Day will provide the Municipality with contact information for our direct supervisors and office managers should a complaint be submitted. We suggest that any complaints be directed to the Municipality and the Municipality inform Day supervisors and managers. The complaint will be dealt with in a timely manner.

### Insurance:

Day's insurance will provide the coverage specified in the tender documents. Please find attached our Certificate of Insurance.

### Experience:

#### Collections:

- City of Greater Sudbury (Curb Side) since 2001 – Walden, Valley East, Hanmer, Skead, Capreol, Wahnapiatae
- Glencore/Xstrata Collection since 1999 – Strathcona Mill, Fraser, Onaping, Craig, TL and Nickel Rim. Domestic/Industrial/Recyclables
- Vale – Collection of domestic/industrial/recyclables at all mines, mill and smelter complexes.
- Whitefish First Nation (Curb Side and Recyclables)

- “E” Waste Recycling – Contract with the City of Greater Sudbury and most of our Commercial/Industrial/Institutional customers to provide “E” waste recycling services.

#### Commercial/Industrial/Institutional:

- With over 2000 customers (including Xstrata, Vale and KGHM)
- Roll Off, Luggage and Front End services with over 2000 Front End Bins, 400 Roll Off Bins and 350 Luggage Bins in the City of Greater Sudbury
- Canadian Pacific Rail – Northern Ontario
- Recycling Services (customized sea cans) for Township of Killarney, Key River and Hartley Bay.
- City of Timmins – Contracted to transport all recyclable materials to the City of Greater Sudbury (Frobisher Recycling Plant).

#### Landfills:

- City of Greater Sudbury landfills since 1995
- Vale Industrial Landfill since 2002
- Glencore Industrial Landfill since 2001

#### Ontario Tire Stewardship:

- Largest licensed Collector in Northern Ontario of used tires, currently collecting on a weekly basis used/scrap tires from Marathon to North Bay and Huntsville to Hearst.
- Sorting and transporting over 250 tractor loads per year to processing facilities in Ontario and Quebec.
- Annually collect and recycle tires from the Township landfills in Iroquois Falls, Blind River, Chapleau and Wawa as well as the Wahnapiatae First Nation.

#### Other Services:

- Environmental First Response – Three fully equipped Environmental Spills Response trailers located in Sudbury, Levack and Timmins with full time employees trained at each location as first responders.

#### Contact Information:

Main Office and Repair Facility – 2500 Elm Street, Copper Cliff Ontario  
 Phone Number – 705-682-1555 (24 hour per day/ seven day per week)  
 Manager – Denis Blais  
 Operational Controller – Kevin Eady

## Bin Collection

Day wishes to provide a budgetary numbers for your consideration. The following is a list of the locations, bin type, number and lift schedule. The bins noted in Table 2 below will be combination of both domestic waste collection and recyclables.

In addition Day would implement an educational program of Blue bins for recyclables and black for waste. The Blue bins would contain pictures as to what is accepted for recycling plus signage at the depots.

The annual fee to provide three days a week of attendant bin sites, fence and monitor by camera of three depot sites are as follows:

Man per site, Pickup, fence and camera \$300,000

Alternative have one person monitoring sites, pickup for clean ups, fence and camera based on a revolving open site \$200,000

At all sites the individual would have literature regarding waste and recyclable protocol.

Table 2

Location	Bin Type	Number of Bins per Location	Lift Schedule
Landfill	40 Yard Roll Off	2	2 times per week winter 3 times per week summer
Shaw Road	8 CY Front End – Bear Proof	8	2 times per week
Noelville	8 CY Front End – Bear Proof	0	removed
Garage	8 CY Front End – Bear Proof	0	removed
Alban	8 CY Front End – Bear Proof	20	2 times per week
Monetville	8 CY Front End – Bear Proof	4	2 times per week
Commercial (126 locations) More likely 60-65	Case by case	Combination of waste & recyclables	To be determined estimate 15 of each 2 per site

### Rates per Bin Locations

It is suggested that two weekly collections be done per bin site. The days would be Monday (Tuesday after a long weekend) and Friday. As the waste belongs to the Municipality there would be no tipping fees and the cost per lift would be approximately \$50.00 per bin lift (depends on the total number of bins per cycle). Roll offs of recyclables from the landfill would be \$470.00 per removal.

Annual cost 43 bins X twice per week X 52 weeks X \$50.00 = \$223,600.00

### Commercial / Industrial / Institutional

Day has available a complete assortment of bin sizes to suit the various businesses. The supply of pricing of bins for commercial, industrial and institutional must be completed on a case by case basis. There is an opportunity for the Municipality to make money on the waste and recyclables. There are standard guidelines for weights of front end bins or actual weights could be collected and a tipping fee applied to the commercial, industrial & institutional customers waste. Example 8 cu yd. bin would be \$50.00 for Day and \$32.00 (Sudbury rate) for Municipality. Recyclables could be collected for a lessor fee as there is funding returned to the Municipality through Stewardship Ontario.

Annual cost 1 waste bin per week X 52 weeks X \$50.00 = \$2,600.00 lift rate Day revenue

Annual cost 1 waste bin per week X 52 weeks X \$32.00 = \$1,664.00 tipping fee Municipality revenue

Annual cost 1 recyclable bin per week X 52 weeks X \$50.00 = \$2,600.00 Day revenue

Annual cost 1 recyclable bin per week X 52 weeks X \$0.00 = \$0.00 Municipality would collect recyclable incentives (do not know what this would be)

### Note:

- Bins to be colour coded for various waste streams.
- Recyclables - The Municipality of French River will be responsible for the payment of any tipping fees, if applicable, and to secure an agreement from the City of Greater Sudbury.
- Annual CPI adjustments apply.
- Fuel Escalator – A fuel surcharge/rebate will be calculated based on the following formula:

$(B-A)/A * C$

Where

A = A base price of \$ 0.90 per liter.

B = Previous two week average according to the Freight Carriers Association of Canada (FCAC) fuel calculations for Ontario and Quebec

C = Fuel Ratio = 20%

Equipment:

Day will utilize one Front End truck to collect the domestic waste and the recyclables. Additional units are available when required.

Our large fleet of waste collection equipment will ensure spare equipment is readily available should the dedicated equipment need repair or servicing.

The front end trucks are equipped with load-rite weighing capabilities.

### Landfill Operations

Day is interested in operating the Municipality's landfill operation. We would entertain buying the existing equipment, installing a certified scale, collecting tipping fees, preparing data for reports and staffing. With the reduction of bin locations, it is prudent to consider adding operating hours to the present landfill locations. As noted above, Day has a long history of operating landfills.

William Day Construction Limited



June 30, 2017

COMPANY NAME  
ADDRESS  
ADDRESS

The Municipality of French River wishes to inform you of changes to the private waste collection services.

The Municipality recently underwent a review of its operations to objectively evaluate and assess the effectiveness of services and to identify opportunities for efficiencies and cost savings. The Final Report identified that the Municipality provides solid waste collection services to industrial and commercial businesses and at a high level of service and at no cost other than the original purchase of the Bin Receptacle.

Following an additional review, a report was presented to Council considering options relating to the service. As a result, the waste collection services to businesses that have purchased bins will continue at a fee that will recover the cost of providing the service.

Therefore, the Municipality wishes to inform you that starting on Monday, July 31<sup>st</sup>, your business will be invoiced on a monthly basis, calculated on the number of times you require waste or recycling bin pick up. The fee has been established at \$15 per pickup.

For further information please do not hesitate to contact myself

Sincerely,

Robert Martin  
Parks, Recreation & Facilities Manager  
Acting Public Works Director  
705-898-2294 (Municipal Office)  
705-898-2900 (Public Works Department)  
rmartin@frenchriver.ca

Tel: (705) 898-2294  
Fax: (705) 898-2181  
www.frenchriver.ca



C.P./P.O. Box 156  
44 rue St. Christophe St.,  
Suite 1  
Noëlville, Ontario  
P0M 2N0

**Municipality of French River**



**Environmental Advisory Committee  
AGENDA**

**Wednesday, June 26, 2019 at 6:30pm  
held in Council Chamber, Municipal Complex**

1. Call to Order, Roll Call and Adoption of Agenda
2. Disclosure of Pecuniary Interest
3. Items for Discussion or Consideration
  - 3.1. Development of a Clean-up Week Program
  - 3.2. Overview of Waste Management System
  - 3.3. Overview of Waste Diversion/Recycling Education & Marketing Plan
  - 3.4. Round Table Discussion
4. Adjournment



## Municipality of French River

### Report For Consideration by EAC Committee

#### RE: Overview of the current Waste Management Operations

**OBJECTIVE:** To provide information and an overview of the current Waste Management Operations.

#### **Transfer Site Operations**

The current Transfer Sites offer 24/7 waste and recycling disposal to our ratepayers.

During the winter schedule, Public Works operates the garbage truck 40 hours a week from Monday to Friday. During the summer months, Public Works operates the garbage truck 60 hours a week from Monday to Saturday.

Garbage pick-ups are scheduled at every transfer site and some commercial building on Mondays, Wednesdays, and Fridays. Recycling pick-ups are scheduled at every transfer site and some commercial buildings on Tuesday and Thursdays. During the summer, a combination pick-up is done on Saturdays which include garbage and recycling at the five bin sites.

#### **Issues with this System**

1. Every Monday, waste is laid out on the bins at are transfer sites
2. On a weekly basis, there are bulky items that are left at the transfer sites
3. The citizens are not educated properly on where materials should go. For example: TVs do not go in the trash.
4. The garbage truck tends to break down due to constant usage.
5. Bins freeze during the winter and are unable to be unloaded.

#### **Outcome of this System**

- The life expectancy of the landfill is between 35 – 40 years.
- Items are placed in the wrong bins and are contaminating the recycling batch.
- Due to the constant use of the garbage truck, it requires more servicing than a typical vehicle in the fleet.

### **Landfill Site Operations**

- The hours of operation of the landfill are currently Wednesdays, Thursdays, and Saturdays from 7am – 5pm.
- The landfill receives solid and contaminated waste, recycling, wood waste, construction waste, electronic waste, tires, steel, and refrigerants.
- Daily operations include: compacting and covering of solid waste with sand to prevent waste from floating around and prevents bears from scavenging.
- Diverts recycling materials, electronic waste, tires, steel, and hazardous waste twice a year.
- Collects tipping fees depending on the substance brought in.
- Decommissions refrigerants.

### **ATTACHMENTS:**

Commercial Pick-ups

Transfer Site Layout

Respectfully submitted:

Approved:

Martin Clouthier  
Public Works/Environmental Services  
June 26, 2019

Marc Gagnon  
Chief Administrative Officer

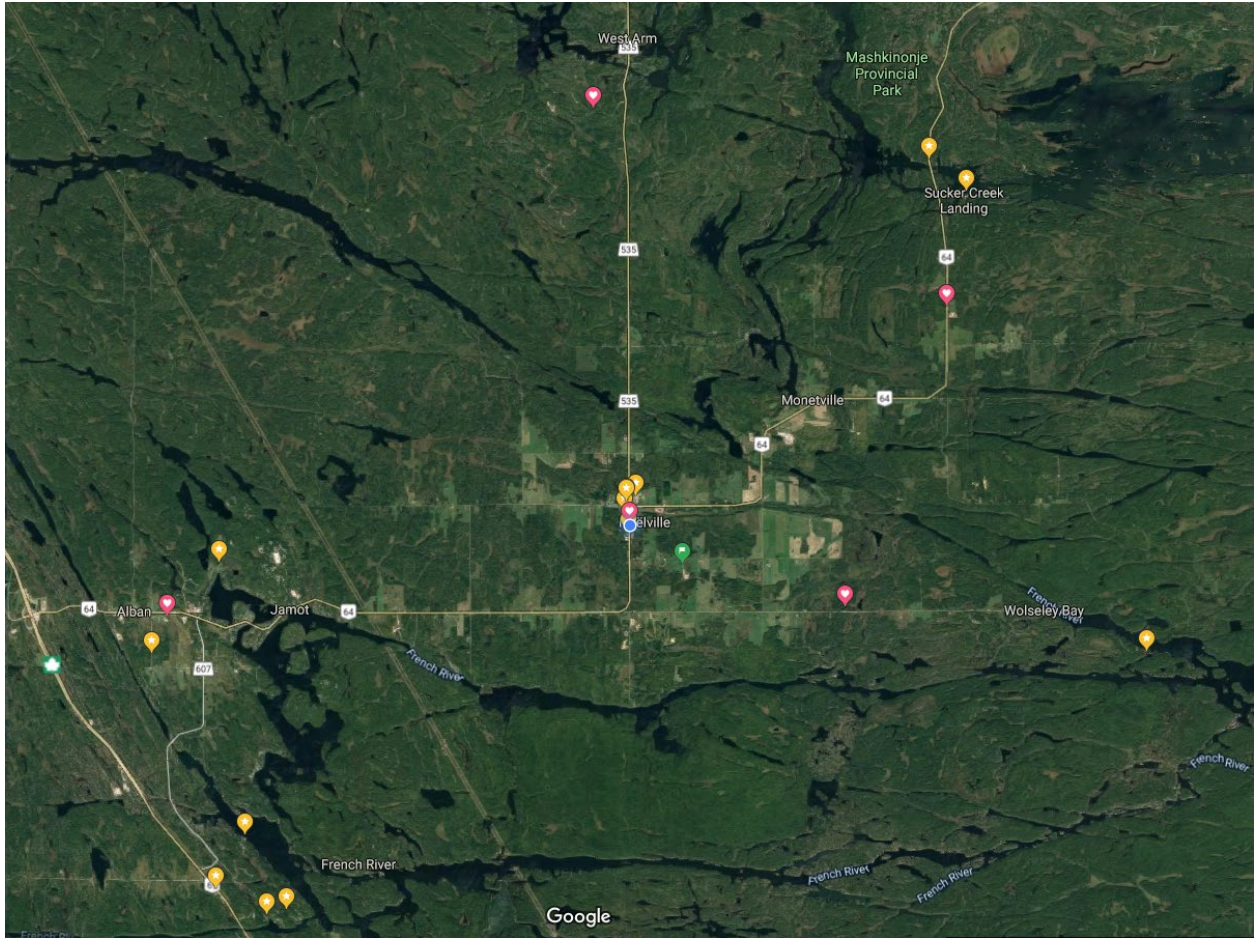
## Commercial Pick Ups

1. École Secondaire	(0.4km)	Noëlville
2. Co-op	(0.7km)	Noëlville
3. Home Hardware	(0.7km)	Noëlville
4. OPP	(0.4km)	Noëlville
5. École St. Antoine	(1.0km)	Noëlville
6. Shuswap Camp	(17.8km)	North Monetville
7. Lakair Lodge	(19.3km)	North Monetville
8. Pine Cove	(19.2km)	End of Highway 528A
9. Ranger Bay Tent and Trailer	(17.8km)	Ranger Bay
10. Voyageur Golf Course	(18.9km)	Alban
11. Schell's Camp	(27.6km)	Highway 607A
12. Loon's Landing	(26.8km)	Highway 607A
13. Enaahtig Lodge	(27.6km)	Highway 607A
14. French River Trading Post	(26.2km)	Highway 69
15. Supply Post	(28.2km)	Highway 69

## Transfer Sites

1. Shaw Road	(14.1km)
2. Highway 64 (North Monetville)	(14.8km)
3. Highway 64 (Public Works Garage)	(0km)
4. Highway 64 (Alban Community Center)	(18km)
5. Highway 528 (Wolseley Bay Area)	(9.4km)

All km are from the Public Works Garage.



**Map of Environmental Operations**

**Legend:**

- Stars:            Commercial pickups    (15)
- Hearts:         Transfer Sites            (5)
- Green Flag:    Landfill                    (1)

# Municipality of French River

## Bin Site Locations

Current locations of what kind of bins are at each bin site.

Legend:

- C: Cardboard and Paper
- M: Metal
- R: Recycling
- W: Household Waste
- T: Total

Total:  
 C: 13  
 M: 1  
 R: 10  
 W: 42  
 T: 66

Date:	March 14, 2019
Scale:	Not to Scale
Draftsman:	Martin Clouthier

North Monetville

← N →

W W W W R C

---

Hwy 64

Wolseley Bay

← N →

W W W R C

---

Hwy 528

Shaw Road

← N →

W W W R C

---

Ch. Shaw R.

Alban Community Centre

← N →

W W W R R C C C C

W W W W W W W W

W W W R C C C R

W W W W W W W W

Alban Community Centre

Noëlville

← N →

C R W W W

Shed

W W W R C

C M C R R W W W W W

---

Hwy 64

Quonset

← N →

C R W W W

Quonset

W W W R W W W W

---

Hwy 64

Alban Community Centre

← N →

W W W R R C C C C

W W W W W W W W

W W W R C C C R

W W W W W W W W

Alban Community Centre

Noëlville

← N →

C R W W W

Shed

W W W R C

C M C R R W W W W W

---

Hwy 64

Quonset

← N →

C R W W W

Quonset

W W W R W W W W

---

Hwy 64



## Municipality of French River

### Report For Consideration by EAC Committee

#### RE: Overview of Waste Diversion/Recycling Education & Marketing Plan

**OBJECTIVE:** To provide information and an overview of past and current initiatives and to receive endorsement.

#### **BACKGROUND:**

In February of 2016, Council of the Municipality of French River implemented a Committee Advising on Recycling Ecologically (C.A.R.E.) to set framework for a waste diversion educational and marketing plan for the use of our current waste management system.

The Committee's marketing plan was made to help identify current issues and challenges within the waste management system. The Committee outlined opportunities to help guide the Municipality to implement waste and recycling initiatives. Some of these opportunities and challenges were/are:

- Clearly define recyclables
- Improve co-operation to recycle
- Reduce contamination in the recycling bins
- Control handling costs.
- Increase longevity of the landfill
- Reduce bulk items at transfer sites

#### **ANALYSIS:**

To date the following initiatives have been exercised:

- Transfer Site Signage
- Informational handouts
- Interactive website resource (Waste Wizard/sorting game)
- Marketing promotional materials distributed (bulletin boards, Social media, Municipal web-site, prizes for Waste Wizard sorting and transfer stations)
- Recycling education (Canada Day booth) to promote Waste Wizard application with the public.
- Spring cleanup (working with local schools to educate on recycling and community cleanup)
- Council approved eight additional hours for landfill operations per week to include Mondays from 7 am-12pm and Fridays from 12pm-5pm.

- Application for amendment to our current landfill hours was sent to the Ministry of Environment for approval. The application was filled out to include Monday to Sunday from 7-5pm this will allow the Municipality to change operational hours without reapplying for approval.
- The purchase of surveillance cameras which will be installed at the Alban Community Centre.

**Educational /marketing initiatives to discuss and consider:**

- Recycling marketing/promotional bin lid wraps

The previous committee had approved the design of a bin wrap to install on all recycling collection bins at the transfer sites.

**BUDGET/LEGAL IMPLICATIONS:**

The previous and new Committee is allocated funds for educational resources and marketing strategies which included print advertising (banners, posters, signage, brochures...) and digital marketing (Facebook, Twitter).

**Costs associated with the amendments to the hours of the landfill site operations:**

Application to Ministry of Environment	\$1,400.00
Engineer recommendations and documents	\$15,000.00 (estimate)
Additional 8 hours of Operations	\$21,000.00 (yearly)

**CONCLUSION/RECOMMENDATION:**

It is recommended that the Committee endorses the current initiatives and recommends that the Recycling marketing/promotional bin lid wraps initiative be pursued.

**ATTACHMENTS:**

Recycling marketing/promotional bin lid wrap design

Respectfully submitted:

Approved:

Michelle Clark  
 Administrative Assistant  
 Public Works/Environmental Services  
 June 26, 2019

Marc Gagnon  
 Chief Administrative Officer



# MIXED RECYCLING / RECYCLAGE MIXTE

Glass

Paper & Aluminum & Plastic Bottles, Jugs &

Cardboard

Steel Cans      Foam Packaging



Verre

Papier et carton      Boîtes en aluminium et en acier

Emballage en plastique pour bouteilles, jarmes et mousse



**NON RECYCLABLE**

- Food & Kitchen Waste
- Plastic Food Wrap
- Used Paper Towel
- Foam Peanuts
- Aliments et déchets de cuisine
- Emballage alimentaire en plastique
- Serviette en papier usée
- Pois à la mousse

## MUNICIPAL NOTICES / AVIS MUNICIPAUX

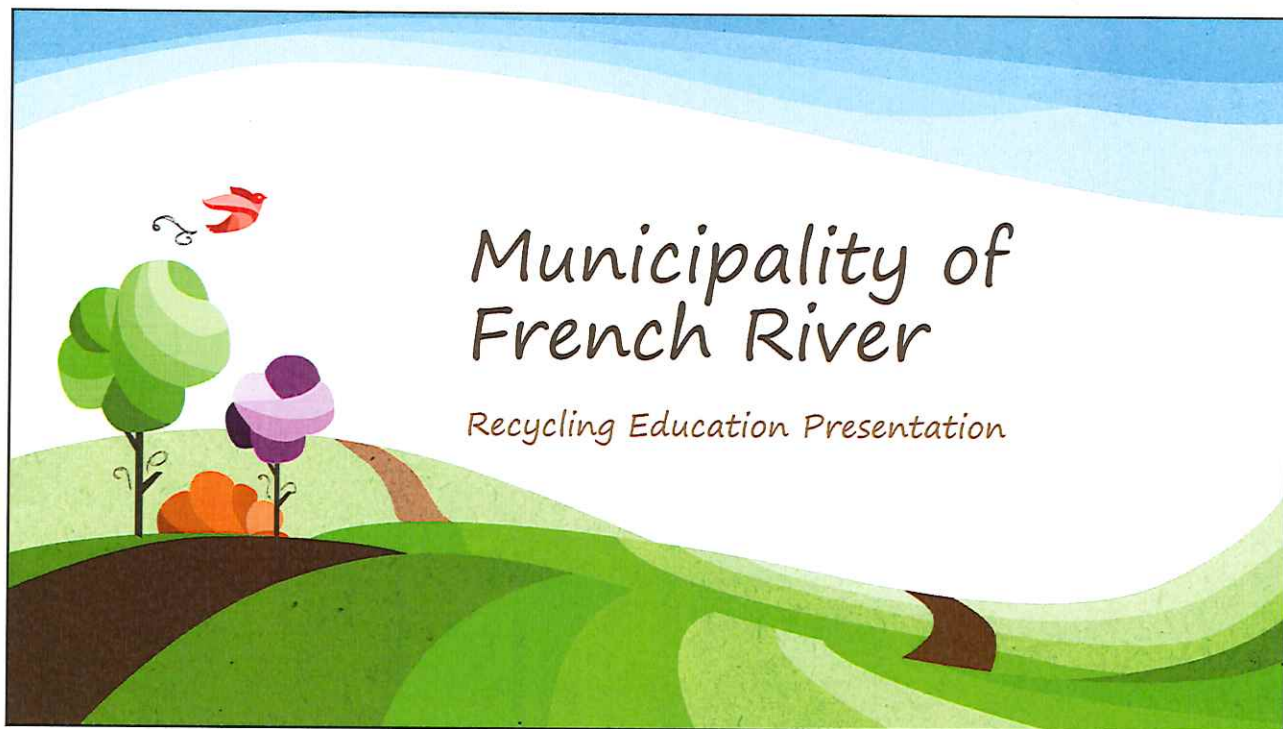
## Municipality of French River



### Environmental Advisory Committee AGENDA

**Wednesday, October 23<sup>rd</sup>, 2019 at 6:30pm  
held in Council Chamber, Municipal Complex**

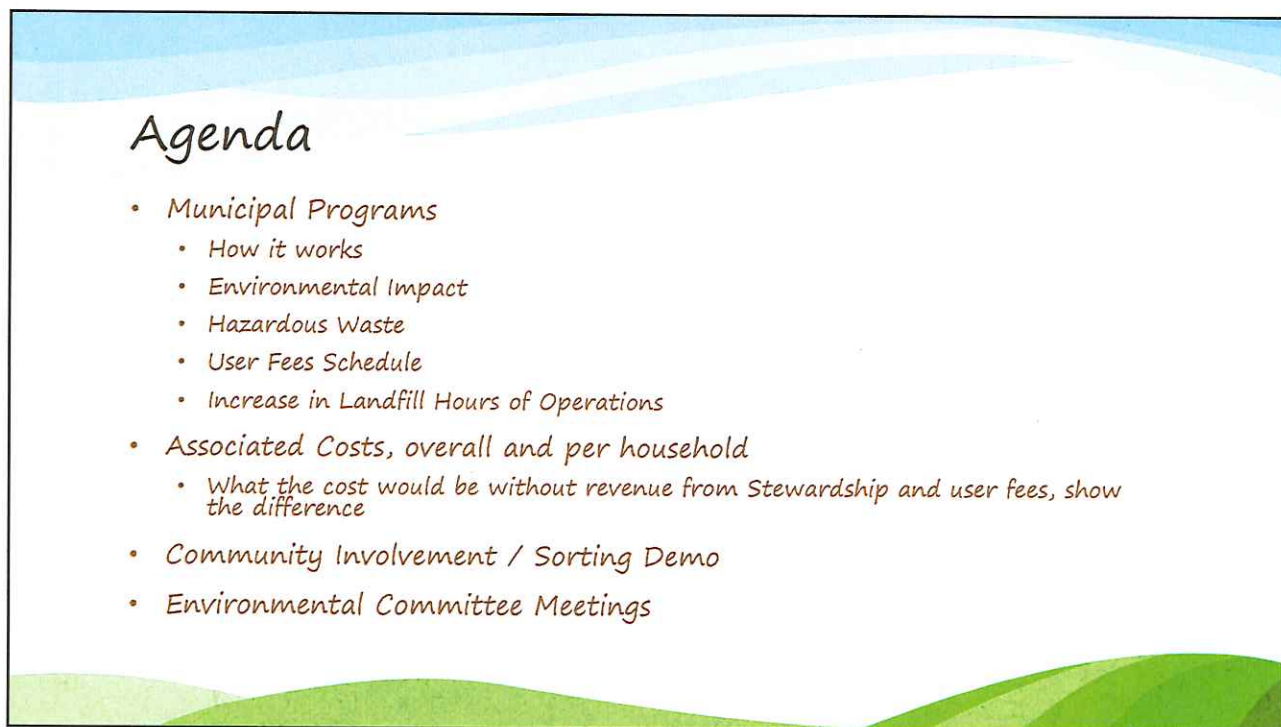
1. Call to Order, Roll Call and Adoption of Agenda
2. Disclosure of Pecuniary Interest
3. Adoption of Minutes – Wednesday, June 26<sup>th</sup>, 2019
4. Items for Discussion and Consideration
  - 4.1. Recycling Education Presentation (Pamphlet)
  - 4.2. Bin Wraps Update
  - 4.3. Initial Analysis of New Landfill Hours
  - 4.4. User Fees and Waste Management By-Law
  - 4.5. Round Table Discussion
5. Adjournment



# Municipality of French River

Recycling Education Presentation

1



## Agenda

- *Municipal Programs*
  - *How it works*
  - *Environmental Impact*
  - *Hazardous Waste*
  - *User Fees Schedule*
  - *Increase in Landfill Hours of Operations*
- *Associated Costs, overall and per household*
  - *What the cost would be without revenue from Stewardship and user fees, show the difference*
- *Community Involvement / Sorting Demo*
- *Environmental Committee Meetings*

2

## How it works

### Transfer Sites

The Municipality has 5 transfer sites. Each site is located at an entrance or boundary of the Municipality. These transfer sites contain collection bins for household waste and recycling, they are only to be used by residents of the Municipality. These sites are monitored by cameras and Municipal by-Law staff. Waste and recycling is collected 6 days a week in the summer months and 5 days a week in the winter. Household waste is collected from these sites on Mondays, Wednesdays, Fridays and Saturdays in the summer months, recycling is collected on the alternate days.

### Where does it go?

All materials collected at the transfer sites are brought to the Municipal Landfill. household waste is put into the active landfill area and all recycling is placed into a 40-yard shipping bin which is then diverted to a recycling plant for processing.

There are many other collected items that are diverted from our Municipal landfill. These items are given a dollar value from stewardships to absorb some of the costs associated with collecting, sorting and streaming of the materials.

3

## Who is responsible?

Stewardships require manufacturers of certain consumer products to take financial and environmental responsibility for the end of life management of their products. End of life management refers to the collection and recycling of the materials from consumers and commercial generators.

In 2016 the waste free Ontario Act , s.o. 12-bill 151 was established The Act includes both the waste diversion act and the resource recovery & circular economy Act.

The legislation will have major impacts on municipal waste management by transitioning waste to full producer responsibility. Responsibility is currently a 50/50 split between companies that produce and Municipalities.

The transition will initially be applied for paper products & packaging (e.g. glass, plastics, tires, hazardous wastes and electronics. Other materials such as carpets, mattresses and furniture will be considered in the future.

4

## Who is responsible Cont...

The Resource productivity & Recovery Authority "DataCall" collects Municipal waste diversion statistics and provides funding to municipalities based on their initiatives, education plans and diversion rates. (blue box programs)

Municipalities currently receive support from stewardships through training, information and initiatives however it is still the responsibility of the municipality to provide recycling, waste collection services and educate residents on the initiatives to reduce our environmental footprint.

### What items are diverted?

The Municipality receives some compensation from the stewardships to collect and divert materials that have significant environmental impacts should they be put into landfills such items are:

- Tires, Electronics, Steel, Batteries, Automotive Materials (Oil Filters, Oil, Paint) & Hazardous waste (fertilizers, solvents, aerosols).

5

## Environmental Impact

Recycling products do not Biodegrade; The waste stays in the landfill indefinitely, this contributes to the production of methane leading to the "Green House effect".

Environmental statistics say that less than 11 percent of plastics are not recycled in Canada and that the other 90% ends up being incinerated, in our landfill, lakes, parks and oceans.

In 2019 The Municipality diverted – 27,000L, 1,710kg, 73 car batteries and 1028 propane tanks all of which are classified hazardous waste from our landfill.

Our Municipal Landfill processes an average of 5,100 m<sup>3</sup> of waste every year. This is an increase of 100 m<sup>3</sup> per year since 2016.

Our Original Projected date was set for a Closure date of 2060.

In 2018 our Landfill was estimated at 15.9 years of site life. Meaning with current waste volumes we are projected to close 26 years in advance.

6

## Landfill Overview

*Our Landfill Site has many Plans and approvals all done through the Ministry of the Environment (MOE)*

*The Municipality has to follow the rules and regulations set out within these documents as they form part of our annual compliance. (Design and Operations Plan, & Certificate of Approval C of A).*

*The Municipality has an Environmental Engineering Firm that helps takes care of our mandated annual reporting, and ensures we are meeting our obligations with monitoring the materials entering the Landfill and the toxins that are a result of the decomp. (Ex. Leachate: toxic fluid runoff and Green House Emissions)*



7

## Landfill Overview Cont...

*The Landfill attendants ensure that the waste generated either from residents, transfer Sites, or from individuals is organized and moved into the proper cells and covered at the end of every day for proper decomposition, minimize the amount of vermin's, and prevent fly a way's*



8

## Hazardous Waste Days

Spring: June 8<sup>th</sup>  
 Fall: September 21<sup>st</sup>



## NEW Landfill Hours of Operation

Through consultations with our former CARE Committee Group the Municipality did a small report on operations for Council to increase our hours of operations to the Public so that Contractors, Cottage Owners, Business Owners Ect. Could bring their waste to the Landfill instead of to the Transfer Sites.

The hope is that this change will reduce the amount of Bulk Material at our Transfer Sites and increase Services to our local Businesses, seasonal residents and Contractors.



PO Box 156, 44 St. Christophe St. Noéville ON P0M 2H0  
 Hours of Operation: Monday-Friday 9am - 4:30pm • Tel: (705) 299-2294 Fax: (705) 299-2222 Email: webmaster@franchriver.ca

**Planning on Building or Renovating?**  
 Call to book an appointment, for information, inspections and plans. Call 705-507-1177 or send an email to [web@franchriver.ca](mailto:web@franchriver.ca)

**Own a Dog?**  
 Dog licenses may be purchased at the Municipal Office and at both branches of the French River Public Library. The standard one-year registration fee per dog is \$25 before March 31st.

**Fire Permit Season!**  
 April 1st - October 31st  
 Permits can be purchased either ONLINE visit [www.franchriver.ca/p/19-fire-permit](http://www.franchriver.ca/p/19-fire-permit) OR at the Municipal Office and branches of the French River Public Library

**BBQ Fire Safety Tips**  
 Keep loose clothing away from a hot BBQ, keep children and pets at a safe distance. Turn gas valve off first when finished, then turn off the burner controls, so no gas is left in the connecting hose. Allow the BBQ to cool completely before closing the cover.

**Fall Hazardous Waste Day**  
 FALL Saturday September 21 7am - 5pm  
 Please see Municipal Website for Hazardous Waste Materials List.

**Free Public Skating**  
 Starting Saturday September 14th 3:30pm - 5:30pm and will continue every Saturday until March 24, 2020. Notices will be posted on our website if there are any changes

**Proper use of Municipal Transfer Sites/ "Blue Bins"**  
 The Municipal Transfer Sites only permit the disposal of household waste or recycling that is placed inside bags. Please place all waste inside the Blue Bins. Under no circumstances is waste to be left outside of the Blue Bins.

Any other items that are either not in garbage bags, recyclable, or are too large to fit inside the blue bins must be properly disposed of at the Noéville Landfill site, this includes: Bulky items, hazardous and Commercial Waste.

The Noéville Landfill does not have any tipping fees for Household Waste & Bulky Items  
 Absolutely **NO BULK MATERIAL** is permitted at the Transfer Sites. Cameras have been installed. Anyone found in violation will be subject to maximum fines of \$350.

For more information please visit the Municipal Website at [www.franchriver.ca/waste-disposal](http://www.franchriver.ca/waste-disposal), download and visit our Municipal app (see information above), or call the Landfill Site directly at 705-561-6413.

**NEW Noéville Landfill Hours of Operation**  
 The Noéville Landfill is increasing its Hours of Operation to the public to include Monday mornings and Friday afternoons. This change is a result of the Recommendation that came to Council from the former CARE (Recycling Education Committee) in 2018. Council approved the recommendation from the Committee and instructed staff to apply for the approval from the Ministry of the Environment. The Municipality has received approval in order to proceed with the implementation of the new Landfill Hours, which will commence on September 30, 2019.

**Noéville Landfill Hours of Operation (Beginning September 30, 2019)**

New Monday	8 am - 12 (Noon)
Tuesday	CLOSED
Wednesday	7 am - 5 pm
Thursday	7 am - 5 pm
New Friday	12 (noon) - 5 pm
Saturday	7 am - 5 pm
Sunday	CLOSED

**Download our FREE French River App**  
 Available on the App Store and Google Play.

**COMING SOON!**  
 • Waste Management Information  
 • eCompass - Council Meeting Manager  
 • Burn Permits - Info and Purchasing





11

## Fees & Related User Charges By-law 2017-35

*How do I find these user fees?*

- Online [www.frenchriver.ca](http://www.frenchriver.ca)
- Pick up copies at our Office
- French River App - bring you to Website
- Call our Landfill - 705-561-6413

LANDFILL DISPOSAL FEES	
<b>SEPARATION FEES</b>	
Tandem Truck	\$ 382.00
Tri-axle Truck	\$ 486.00
Each Additional Cubic Yards	\$ 51.00
<b>RESIDENTIAL FEES</b>	
Household Waste	No Cost
Tires, per tire	No Cost
Tire, with rim	\$ 6.00
Electronics	No Cost
White Goods	No Cost
Scrap Metals	No Cost
Refrigerants	No Cost
<b>CONSTRUCTION AND DEMOLITION FEES (drywall, insulation, shingles, flooring, lumber, yard waste, etc.)</b>	
Car	\$ 6.00
Truck / Van / Small Trailer	\$ 12.00
Medium Trailer	\$ 18.00
Large Trailer	\$ 24.00
Each Additional Cubic Yards	\$ 12.00
Tandem Truck	\$ 90.00
Tri-axle Truck	\$ 110.00
<b>CONTAMINATED WASTE FEES (contaminated soil or substrate, asphalt, etc.)</b>	
Tandem - Contaminated Waste	\$ 340.00
Tri-axle - Contaminated Waste	\$ 425.00
Each Additional Cubic Yards	\$ 45.00
<b>ASBESTOS - Flat Fee</b>	<b>\$ 200.00 + Appl. Disposal Fees</b>
<b>*Must receive prior approval before entering Landfill Site</b>	
<b>LANDFILL PASSES</b>	
Landfill Pass - Seasonal Non Resident	\$ 50.00
Landfill Pass Non Resident	\$ 100.00
Landfill Pass Non Resident Commercial	\$ 600.00
Landfill Pass Non Resident Industrial	\$ 1,000.00
<b>WASTE BIN COLLECTION</b>	
Waste Bin Collection Fee per pick-up	\$ 15.00 + appl. taxes

12

## Taxes

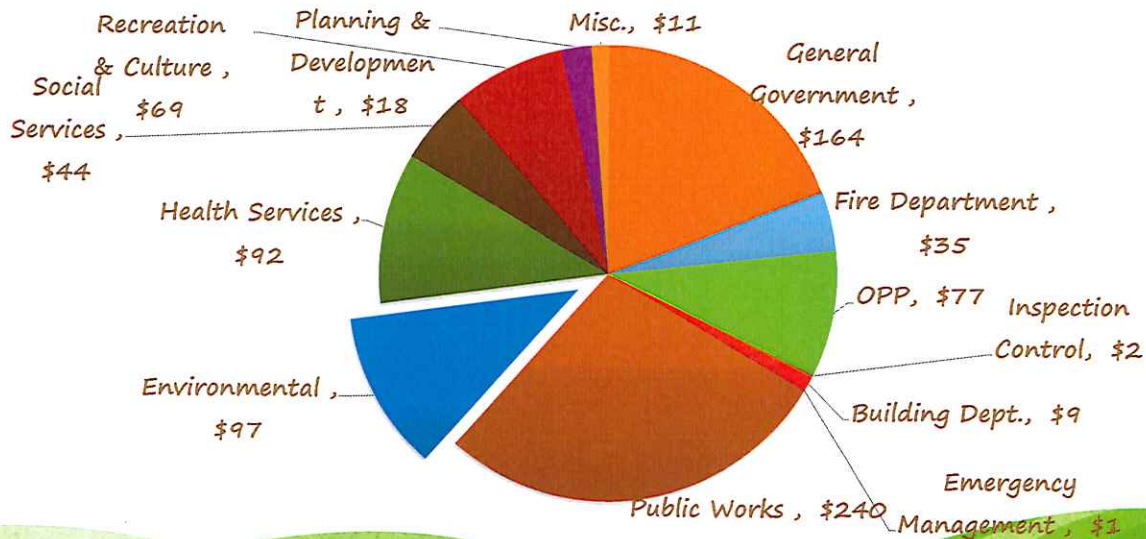
### How Taxes are calculated:

House Assessment:		\$100,000
Tax Rate:	x 0.00851399	\$851.40
Education Tax Rate:	x 0.00161	\$161.00
OPP:	+	\$254.47
Connection	+	\$ 30.68
Frontage	+	\$ 18.00
Sewer	+	\$350.00
<b>Total Taxes for 2019</b>		<b>\$1,665.55 or -0.93%</b>

Online Tax Calculator Tool <https://www.frenchriver.ca/p/property-tax>

13

## Environmental Costs – Based on \$100,000



14

## Statistics

### Quarterly Statistics for Environment Services in 2019

Description	Q1	Q2	Q3	Q4	2019Total	2018Total
<i>Litigation/Risk Mitigation:</i>						
Waste collection bins at two transfer sites to mitigate environmental impacts (in Days)	20	0	0	0	20	*
<i>Environmental Compliance:</i>						
Time spent removing bulk waste from transfer sites (in Hours):	18.19	7.16		0	25.3	29
<i>Waste Diversion</i>						
Recycling (per Tonnes)	41.77	70.02	65.1	0	176.89	235.47
Contaminated Recycling (per Tonnes)	n/a	7.5	23.1	0	30.6	n/a
Contaminated percentage of materials received	0.00%	9.3%	35.4%	0	17.2 %	0.01%
Tires (per Tire)	758	894	408	0	2060	1685
Electronics (per Tonnes)	2.56	2.71	7.15	0	12.42	16.319
<i>Hazardous Waste Diversion</i>						
Refrigerants (Accepted/Decommissioned by contractor)	0	80	0	0	80	154
Hazardous Waste Events (number of vehicles)	0	104	138	0	242	283

15

## Committee Advising on Recycling Ecologically (CARE) is now Environmental Committee

The Environmental Advisory Committee meets (5) times a year or as required. The committee is responsible for recommending policies, programs, projects and service strategies to council on matters such as:

- Recycling
- Waste management
- Waste Diversion
- Environmental protection
- Wastewater
- Water quality
- Other services provided by the Environmental Department

Environmental Committee meetings are opportunities for the public to be involved and participate in discussions that directly impact our community.

Meeting Agendas and Minutes can be found on the Municipal website: [www.frenchriver.ca](http://www.frenchriver.ca)

The next Meeting is to be held on October 2<sup>th</sup>, 2019 in the municipal complex council chambers at 6pm

16

## Community Involvement / Sorting Demo

- Recycling Pamphlet
- Waste Wizard
- Sorting Game
- Demo

17

## Resources

- Resource Productivity & Recovery Authority <https://rprra.ca>
- Product Care <https://productcare.org>
- Stewardship Ontario <https://stewardshipontario.ca>
- Ontario Electronic Stewardship <https://ontarioelectronicstewardship.ca>
- Automotive Materials Stewardship <https://automotivematerialsstewardship.ca>

18



# Municipality of French River

Report Env- 03-2019  
Of the Environmental Services Department  
For Consideration by Committee

**RE: User Fees and Waste Management By-Law**

**OBJECTIVE:** To present items of consideration for the review of current user fees and by-laws associated with waste collection and management.

## **BACKGROUND:**

Municipalities in Ontario are responsible for the delivery of services in accordance with provincial legislations. To mitigate property tax increases municipalities are permitted to charge user fees to offset delivery and operating costs of the services provided.

## **ANALYSIS:**

Municipalities can use several different types of “models” for scheduling and updating user fees and policies associated with service deliveries. Currently the Municipality of French River does not have a specific model or review schedule for waste management.

User fees and related bylaws associated with environmental services waste management were last updated several years ago.

In review of the landfill annual reporting and monitoring (provided by the environmental engineering firm GHD Limited.) It was noted that the Municipality has been generating more waste than originally estimated for the years of operation which will impact landfill operating, expansions, and closure costs and should be considered when reviewing user fees associated with waste management.

## **BUDGET/LEGAL IMPLICATIONS:**

User fees generate revenue for a municipality to fund all or part of a service; updating fees related to current costs associated with operating and delivery service levels can make a financial impact on the municipal budget. By charging user fees to those who directly benefit from the service help minimize the overall taxation to municipal residents.

## **INTERDEPARTMENTAL IMPACTS:**

None.

**CONCLUSION/RECOMMENDATIONS:**

It is recommended that the committee direct staff to further research and report on methods to review the User Fee Charges and update the Waste Management By-law.

**ATTACHMENTS:**

Current Environmental User Charges Schedule "E" to By-Law 2017-35  
Waste Management By-Law 2010-26

Respectfully submitted:

Approved:

Robert Martin  
Director Of Operations  
Public Works and Environmental Services  
October 18, 2019

Marc Gagnon  
Chief Administrative Officer

APPENDIX D  
WASTE MANAGEMENT BY-LAWS

**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER**

**BY-LAW 2005-56**

BEING A BY-LAW TO REGULATE RECYCLING  
OF WASTE AT THE BIN SITES AND LANDFILL SITES IN  
THE MUNICIPALITY OF FRENCH RIVER

**WHEREAS** Section 11(1).3 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, provides that the Council of a local municipality may pass by-laws respecting matters within the spheres of jurisdiction which includes waste management;

**AND WHEREAS** the Municipality of French River wishes to pass a By-law to establish a collection policy for certain recyclable materials within the Municipality,

**NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER ENACTS AS FOLLOWS:**

**Section 1**     **Definition:** In this by-law recyclable materials includes:

- a) Recyclable Containers which includes the following forms of containers:
  - 1. Metal food cans;
  - 2. Aluminum and metal beverage cans such as pop cans, beer cans, juice cans;
  - 3. Clean aluminum foil plates and trays;
  - 4. #1 (PET) plastics, #2 (HDPE) plastics, #5 (polypropylene) plastics other than #2 plastic motor oil containers;
  - 5. Any other container designated by the waste management committee to be a recyclable container.
  
- b) Recyclable papers and cardboard:
  - 1. Household paper, including junk mail, writing paper, computer paper, non-foil gift wrap, non-foil greeting cards and envelopes;
  - 2. Paper rolls;
  - 3. Newspapers and inserts;
  - 4. Magazines, catalogues, and glossies;
  - 5. Telephone directories;
  - 6. Soft and hard covered books;
  - 7. Clean unwaxed corrugated cardboard and box board;
  - 8. Any other paper or paper product designated by the waste management committee as recyclable material.

**Section 2**     **Restrictions:**

- a) No person shall deposit any recyclable materials in any location within the Municipality except at the landfill sites and the waste bin sites established in accordance with this By-law.

- b) No person shall dispose or deposit non recyclable waste of any kind in containers or specific areas marked for recyclable materials at any location within the Municipality of French River.
- c) No person shall deposit or otherwise dispose of any recyclable materials brought in from outside the Municipality of French River, upon any lands, whether publicly or privately owned, including Noëlville and Delamere landfill sites and/or waste bin sites by the Municipality of French River. The only recyclable materials permitted in the municipality's facilities are waste items that are produced from residences or commercial/industrial establishments within the municipal boundaries.
- d) No person shall deposit or otherwise dispose of recyclable materials, as herein defined, at the landfill sites except during the hours of operation.
- e) No person shall scavenge, interfere with, remove, exchange or scatter any recyclable materials found at waste bin sites or municipal landfill sites unless authorized by the landfill attendant.
- f) No person shall deposit any recyclable materials near or around the waste bin sites or at the gates of the landfill sites except in the appropriate waste bins designated for recyclable materials provided at the sites. (See the attached map for locations of sites).
- g) All cardboard boxes must be opened and flattened to save space.

**Section 3      Penalty and Liability for Expenses:**

- a) Any person who contravenes any of the provisions of this by-law, and the procedures with respect thereto is guilty of an offence and upon conviction shall pay a fine or penalty not exceeding \$5,000.00, and shall be recoverable under the Provincial Offences Act, R.S.O. 1990, Chapter P33 and amendments thereto.
- b) Any costs and expenses for services provided by or on behalf of the municipality, or for which the Municipality is liable in endeavoring to remove waste, garbage or other refuse caused by or resulting from a person contravening or failing to comply with any provision of this By-law shall be charged pursuant to Section 425 (1) of the Municipal Act 2001 and shall constitute a debt of such person to the municipality. Service charges pursuant to this By-law shall be as follows:  
  
\$100.00 minimum charge, \$75.00/hour or whichever is the greater amount, for work involved in cleaning the sites.

- c) Any service charge imposed pursuant to this By-law shall be payable within fifteen (15) days after the Municipality has delivered or sent by prepaid registered post an invoice to the person responsible, and interest shall accrue and be added to the amount at the rate interest of 1.25% per month shall be used to calculate interest on unpaid service charges.
- d) Fines imposed pursuant to this by-law shall be a set out in Schedule “B”.

**Section 6 Any and all By-laws inconsistent with this By-law are hereby repealed.**

**Section 7 This By-law shall come into force and take effect upon third and final reading.**

**READ A FIRST AND SECOND TIME THIS 21<sup>th</sup> DAY OF DECEMBER 2005**

**READ A THIRD TIME AND FINALLY PASSED THIS 21<sup>th</sup> DAY OF DECEMBER 2005**

**SCHEDULE "A"**  
**TO BY-LAW 2005-56**

1. Household Waste Disposal Locations:

The following Waste Bin Sites accept recycled materials and household waste only and are accessible 24 hours a day, 7 days a week:

see attached map of the Waste Bin Sites

**SCHEDULE “B”**

**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER**

**TO BY-LAW 2005-56**

**BEING A BY-LAW TO PROHIBIT AND/OR REGULATE  
THE DISPOSAL OF RECYCLABLE MATERIALS AT THE BIN SITES AND  
LANDFILL SITES IN  
THE MUNICIPALITY OF FRENCH RIVER**

<b>ITEM</b>	<b>COLUMN 1 Short form wording</b>	<b>COLUMN 2 Provision creating or Defining Offence</b>	<b>COLUMN 3 Set fines (including costs)</b>
1.	Deposit any recyclable materials in any location within the Municipality except landfill sites or waste bin sites.	Section 2 (a)	305.00
2.	Deposit any non-recyclable materials in waste bins identified for recyclable materials	Section 2 (b)	305.00
3.	Deposit or dispose of any recyclable materials brought in from outside the Municipality of French River whether into publicly or privately owned waste bin and landfill sites	Section 2 (c)	305.00
4.	Deposit or dispose of recyclable materials at the Noelville and Delamere landfill sites after regular hours of operation	Section 2 (d)	305.00
5.	Scavenge, interfere with, remove, exchange or scatter any recyclable materials found at any waste bin sites or Noelville and Delamere landfill sites	Section 2 (e)	305.00
6.	Deposit or dispose household hazardous waste in bins identified for recyclable materials	Section 2 (a)	305.00
7.	Deposit any recyclable materials near or around the waste bin sites or at the gates of the landfill sites	Section 2 (f)	305.00

**“NOTE: the general penalty provision for the offences listed above is section 4 of by-law 2005-56, a certified copy of which has been filed.”**

# **THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER**

## **BY-LAW 2010-26**

BEING A BY-LAW TO PROHIBIT AND/OR REGULATE THE DISPOSAL  
OF WASTE AT THE BIN SITES AND LANDFILL SITES IN  
THE MUNICIPALITY OF FRENCH RIVER

**WHEREAS** Section 10 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, provides that a single-tier municipality may pass By-laws to provide any service or thing that the municipality considers necessary or desirable for the public;

**AND WHEREAS** the Municipality of French River deems it desirable to pass a By-law to establish a disposal policy for all household and non-household waste at all bin sites, and the landfill site within the Municipality,

**NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER ENACTS AS FOLLOWS:**

### **Section 1     Definition:**

- a)     “By-Law Enforcement Officer” means anyone appointed by the Municipality of French River to enforce the provisions of this By-Law.
- b)     “Brush” means trees, branches, leaves, stumps and roots.
- c)     “Clean construction”, demolition and renovation materials, but is not necessarily limited to, the following:
  - i)     manufacturers waste including wire;
  - ii)    broken plaster, lumber, rubble, shingles or other waste or residue resulting from the construction, alteration, repair, demolition or removal of any building or structure;
  - iii)   stock of any wholesaler which shall be regarded as manufactures waste;
  - iv)    wire, wire mesh and fencing;
  - v)     discarded plumbing sinks, toilet bowls and seals, pipe fittings and hot water tanks;
  - vi)    loose minor rubble.
- d)     “Compost material” means any compost material and includes grass cuttings, garden refuse, and leaves.
- e)     “Contractor” means a person or corporation that engages in any waste collection within the Municipal jurisdiction at specific prices for a profit.

- f) “Household Hazardous” waste means waste generated from a dwelling and designated by the Municipality as acceptable at a household hazardous waste depot and includes:
- i) corrosive wastes including batteries, drain cleaners and oven cleaners;
  - ii) toxic wastes including pesticides, poisons, pharmaceuticals and cleaning fluids;
  - iii) reactive wastes including pool chemicals, ammonia, bleach and aerosols;
  - iv) flammable wastes including paints, solvents, oils, varnishes, stains & preservatives, wood protector & polish, epoxies, rust removers, fire extinguishers, cements, glues, transmission fluid, brake fluid, engine coolant, motor oil & filters, propane tanks & cylinders, gasoline, kerosene and butane lighters;
  - v) fluorescent tubes and thermometers;
  - vi) fertilizers, weed & bug killers;
  - vii) distillates.
- g) “Household waste” means all waste generated within the household, and does not include bulky items such as brown goods (furnishings, carpets, mattresses, etc.) and white goods (refrigerators, stoves, washers, etc.) All household waste must be deposited only at the sites indicated on Schedule “A” of this By-Law.
- h) “Landfill Site” means a site where bulky items, clean construction material, brush and scrap metal must be deposited. The Noëlville Landfill Site is the site within The Municipality of French River and is subject to applicable fees.
- i) “Scrap metal” means materials with metal content including appliances, aluminum siding, bedsprings and metal beds and/or articles acceptable to the scrap metal program.
- j) “Special items” means items or materials that are not defined in the above definitions.
- k) “Untreated wood” means wood that is not painted, pressure-treated, soaked with creosote or any other toxic substance
- l) “Waste bin” means a container that is placed at a waste drop off site to deposit only household waste.
- m) “Waste Bin Sites” means a site location containing a number of HAUL-All, animal-proof, household waste receptacles, and being operated by the Municipality of French River.

- n) “Waste” means garbage, refuse and other waste materials generated from domestic household sources and similar uses for disposal at the waste bin sites and landfill sites. For the purpose of this definition includes construction but shall not include hazardous waste.

**Section 2      Restrictions:**

- a) No person shall deposit any waste in any location within the Municipality except at the landfill sites and the waste bin sites established in accordance with this By-Law.
- b) No person shall deposit or otherwise dispose of any waste brought in from outside the Municipality of French River, upon any lands, whether publicly or privately owned, including Noëville Landfill Site and/or waste bin sites by the Municipality of French River.
- c) No person shall deposit or otherwise dispose of waste, as herein defined, at the landfill site except during the hours of operation.
- d) No person shall scavenge, interfere with, remove, exchange or scatter any waste found at waste bin sites or municipal landfill.
- e) No person shall deposit or otherwise dispose of the any items as set out in Schedule “B”, in, near, or around any waste bins, or at the gates of the landfill site within the Municipality of French River.
- f) No person shall deposit any waste in the waste bins unless in the appropriate regular garbage bags, or plastic grocery bags.
- g) Anyone dumping or depositing any cardboard or cardboard boxes shall open and or flatten the cardboard or cardboard boxes to save space.
- h) No person shall dump, deposit, throw, or otherwise dispose of any type of waste near or around the waste bins, or otherwise deposit waste other than directly into the inside of the waste bins at the Municipal waste bin depot sites as described in Schedule “A” of this By-Law.
- i) Everyone who deposits or otherwise disposes of waste, as herein defined, at the landfill site or at the bin sites shall have in their possession a valid landfill pass issued by the Municipality of French River, or a current government issued photo identification which proves residence within the Municipality of French River, and shall, upon request, provide the landfill pass or photo identification to Municipal Staff for inspection.

### **Section 3      Contractors**

All contractors working within the Municipality of French River in a waste management capacity shall by Provincial Legislation under Sections 27, 30, 31 and 32 of the Environmental Protection Act R.S.O. 1990 have approval from the Ontario Ministry of Environment through their application process.

Any contractors **NOT** working within the prevailing Legislation are subject to fines of up to one hundred thousand dollars (\$100,000) through the Environmental Protection Act.

Before applying for approval of a Waste Management System Certificate, the Municipality cautions potential applicants that the Municipality reserves the right to approve all contractors operating a waste management operation within the boundaries of the Municipality of French River under sec. 75 of the Municipal Act 2001

### **Section 4      Additional**

- a) Everyone using the landfill site shall first see the attendant when entering the site. The attendant has the right to inspect all material entering the landfill site and may not accept materials that are contaminated with items not accepted at the landfill site. Everyone depositing materials at the landfill site shall deposit the materials in areas designated by the attendant.
- b) Everyone who enters a Municipal Landfill site or waste bin depot location for the purpose of dumping, depositing, or otherwise disposing of any type of waste, recyclables, or any other items, shall follow any and all instructions given by any Municipal staff.
- c) Everyone who enters a Municipal Landfill site or waste bin depot location for the purpose of dumping, depositing, or otherwise disposing of any type of waste, recyclables, or any other items, and who is required to pay a tipping fee, shall first stop at the entrance to the landfill site and see the landfill attendant to remit the tipping fees and receive instructions.

### **Section 5      Penalty and Liability for Expenses:**

- a) Any person who contravenes any of the provisions of this By-Law, and the procedures with respect thereto is guilty of an offence and upon conviction shall pay a fine or penalty not exceeding \$5,000.00, and shall be recoverable under the Provincial Offences Act, R.S.O. 1990.
- b) Any costs and expenses for services provided by or on behalf of the municipality, or for which the Municipality is liable in endeavoring to remove waste, garbage or other refuse caused by or resulting from a person contravening or failing to comply with any provision of this By-Law shall be charged pursuant to Section 425 (1) of the Municipal Act 2001 and shall constitute a debt of such person to the municipality. Service charges pursuant to this By-Law shall be as follows:

\$100.00 minimum charge, \$75.00/hour or whichever is the greater amount, for work involved in cleaning the sites.

Any service charge imposed pursuant to this By-Law shall be payable within fifteen (15) days after the Municipality has delivered or sent by regular mail an Invoice to the person responsible, and interest shall accrue and be added to the amount at the rate interest of 1.25% per month shall be used to calculate interest on unpaid service charges.

- c) Any person who contravenes any provision of this By-Law is guilty of an offence and is liable to a fine set by the Chief Justice of the Ontario Court of Justice for the purpose of proceeding commenced under Part I of the Provincial Offences Act, R.S.O. 1990.

**Section 6 Any and all By-Laws inconsistent with this By-Law are hereby repealed.**

**Section 7 Severability**

- a) It is hereby declared that each and every of the foregoing provisions of this by-law is severable and that, if any provision of this By-Law should for any reason be declared invalid by any Court, it is the intention and desire of this council that each and every of the then remaining provisions hereof shall remain in full force and effect.

**Section 8 Municipality of French River By-Laws 2005-12 and 2005-44 are hereby repealed.**

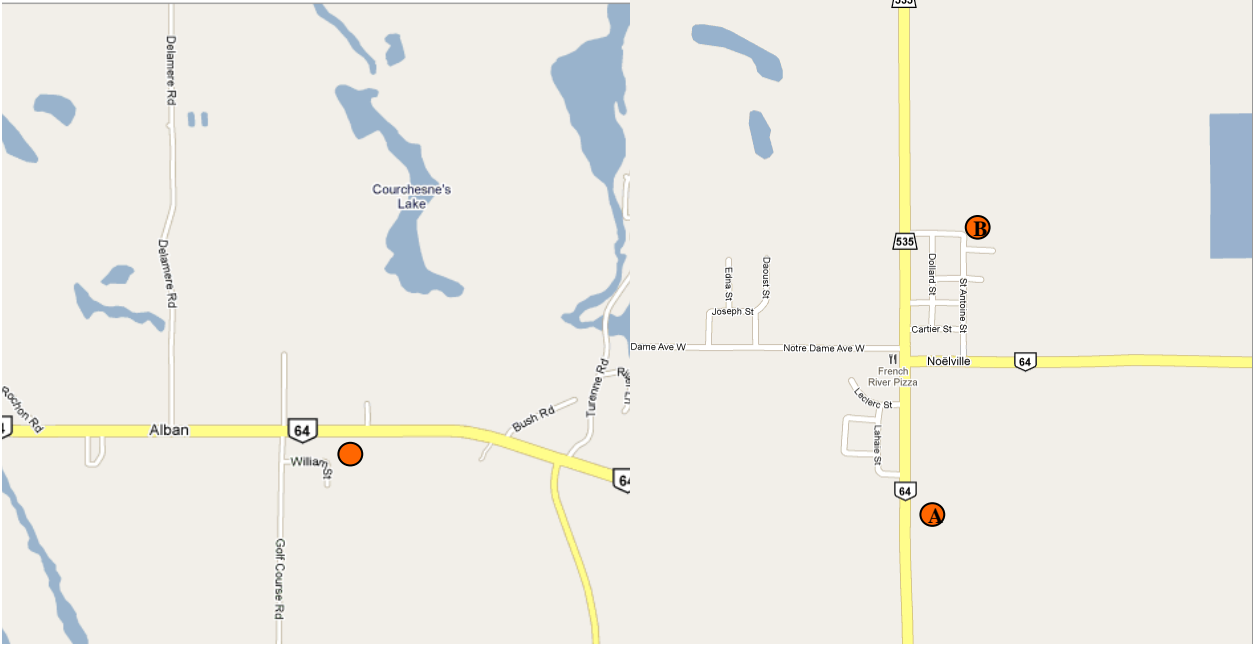
**Section 9 Enactment**

- a) This By-Law shall be known as the “Waste Management By-Law”.
- b) This By-Law shall come into force and effect on August 1<sup>st</sup>, 2010.
- c) Schedules A, and B, Set Fine Schedule Part I Provincial Offences Act shall form part of this by-law.

**READ A FIRST, SECOND AND FINAL TIME THIS 16<sup>th</sup> DAY OF JUNE 2010.**

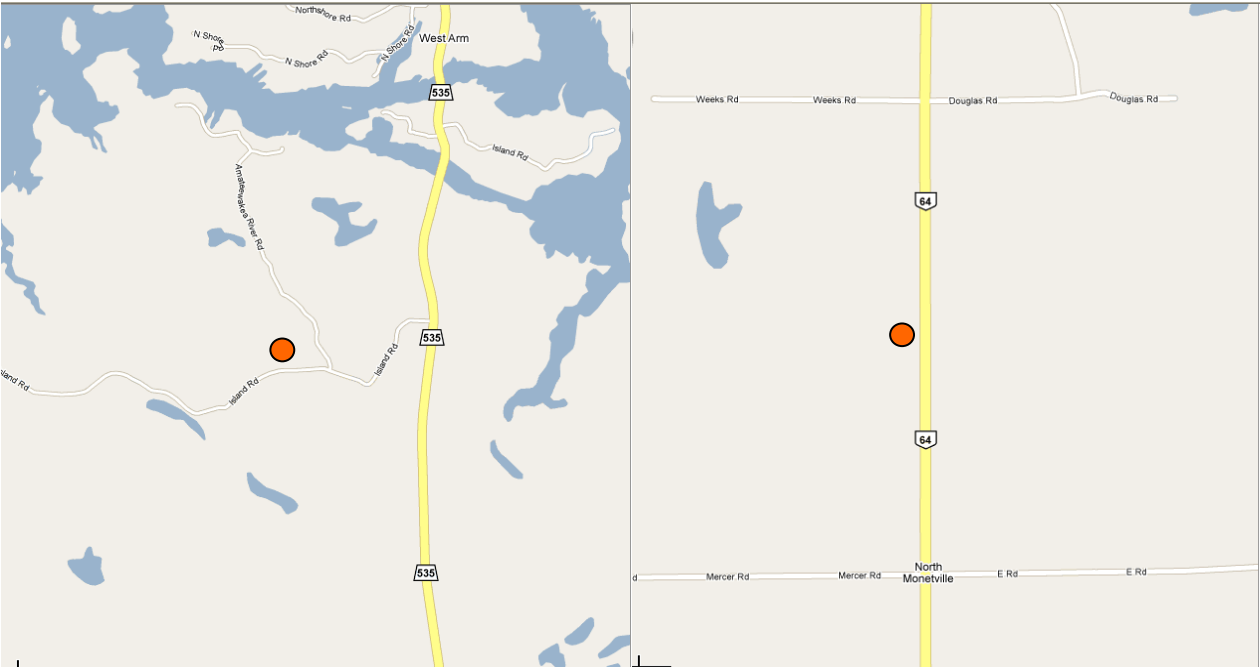
**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER  
SCHEDULE "A"  
TO BY-LAW 2010-26**

**Landfill Site and Household Waste  
Bin Site Locations**



**Bin Site - Community Center - 796 Hwy 64, Alban**

**Bin Site - A - Public Works - St. David St South  
Bin Site - B - Noëlville Arena - 21 St. Christophe St**

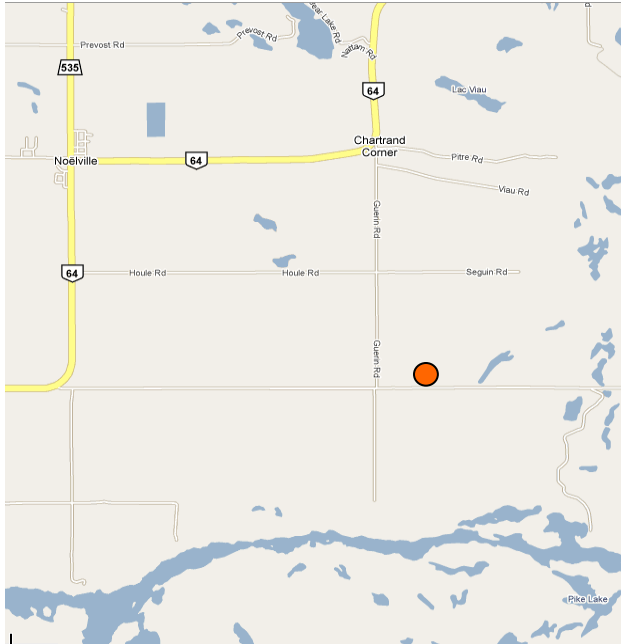


**Bin Site - Shaw Road Site - Shaw Rd, Municipality of French River**

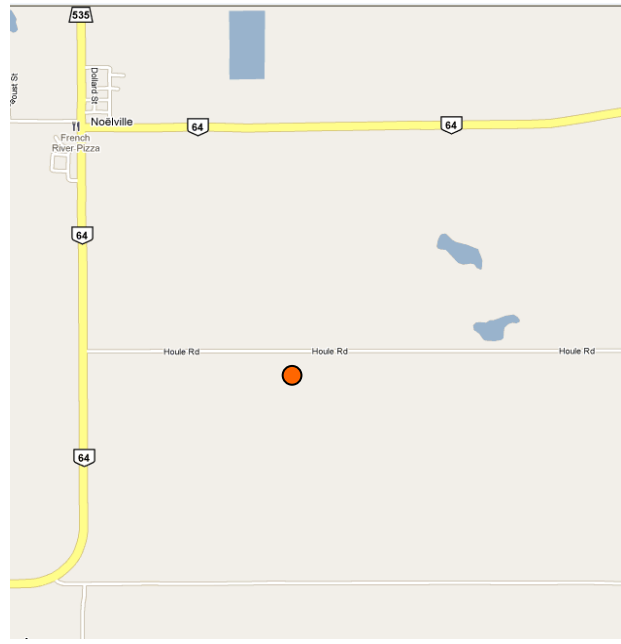
**Bin Site - Monetville Site - Hwy 64, Monetville.**

**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER  
SCHEDULE "A"  
TO BY-LAW 2010-26**

**Landfill Site and Household Waste  
Bin Site Locations**



**Bin Site - Wolsley Bay Site - Hwy 528  
Municipality of French River**



**Landfill Site - Noëlville Landfill Site - 330 Houle  
Rd, Noëlville**

# THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER

## SCHEDULE "B" TO BY-LAW 2010-26

List of items not permitted for deposit in or around any waste bin sites or at the gates of the landfill site within the Municipality of French River.

- a. Wood (any kind of lumber)
- b. Flooring (any type)
- c. Insulation (any type)
- d. Any aluminum and scrap metal materials
- e. Drywall
- f. Paint cans (water or oil base)
- g. Hazardous waste materials
  - i. Oil base paints, stains or varnishes
  - ii. Any type of fuel
  - iii. Fire extinguishers
  - iv. Fluorescent tubes and thermometers
  - v. Fertilizers, weed & bug killers
  - vi. Reactive wastes including pool chemicals, ammonia, bleach and aerosols
  - vii. Oil filters
  - viii. Oil sludges
  - ix. Batteries
  - x. Crankcase oils and lubricants
  - xi. Transmission fluid
  - xii. Break fluid
  - xiii. Engine coolant
  - xiv. Propane tanks
- h. Shingles
- i. Used cars, car parts, or any mechanical equipment.
- j. Pathological diseased materials including syringes, bandages, poultices, dressing and any other medical waste or refuse from any medical clinic or dental clinic
- k. Explosives or highly combustible materials
- l. Liquid waste of any kind
- m. Hay, straw and manure
- n. Grass cuttings, leaves or branches
- o. Plumbing supplies
- p. Ashes which are live and warm
- q. Tires and/or rims
- r. Any appliances such as fridges, stoves, microwaves, toasters, freezers, dishwashers, or any white goods.
- s. Any electronics such as televisions, radios, speakers, computes, typewriters, printers, photocopiers
- t. Any type of furniture such as a couch, a sofa bed, chairs, tables, mattresses, box springs, dressers outdoor furniture,
- u. Bicycles
- v. Children's toys
- w. Baby Strollers
- x. Any windows, sheets of glass, or broken glass.

**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER  
BY-LAW 2010-26**

**Set Fine Schedule**

**Part I Provincial Offences Act**

BEING A BY-LAW TO PROHIBIT AND/OR REGULATE  
THE DISPOSAL OF WASTE AT THE BIN SITES AND LANDFILL SITES IN  
THE MUNICIPALITY OF FRENCH RIVER

ITEM	COLUMN 1 Short form wording	COLUMN 2 Provision creating or Defining Offence	COLUMN 3 Set fines
1.	Deposit waste in location within the municipality except landfill sites or waste bin sites.	Section 2 (a)	305.00
2.	Deposit or dispose of waste from outside the Municipality of French River	Section 2 (b)	305.00
3.	Deposit or dispose waste at landfill sites after regular hours.	Section 2 (c)	305.00
4.	Scavenge, interfere with, remove, exchange or scatter waste found at waste bin or landfill sites	Section 2 (d)	305.00
5.	Deposit or dispose of any wood or lumber.	Section 2 (e) Schedule B (a)	305.00
6.	Deposit or dispose of any type of flooring	Section 2 (e) Schedule B (b)	305.00
7.	Deposit or dispose of any type of insulation	Section 2 (e) Schedule B (c)	305.00
8.	Deposit or dispose of any aluminum or scrap metal materials	Section 2 (e) Schedule B (d)	305.00
9.	Deposit or dispose of drywall	Section 2 (e) Schedule B (e)	305.00
10.	Deposit or dispose of paint cans	Section 2 (e) Schedule B (f)	305.00
11.	Deposit or dispose of oil base paint, stains and/or varnishes	Section 2 (e) Schedule B (g)(i)	305.00

**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER  
BY-LAW 2010-26**

**Set Fine Schedule**

**Part I Provincial Offences Act**

BEING A BY-LAW TO PROHIBIT AND/OR REGULATE  
THE DISPOSAL OF WASTE AT THE BIN SITES AND LANDFILL SITES IN  
THE MUNICIPALITY OF FRENCH RIVER

ITEM	COLUMN 1 Short form wording	COLUMN 2 Provision creating or Defining Offence	COLUMN 3 Set fines
12.	Deposit or dispose of any type of fuel	Section 2 (e) Schedule B (g)(ii)	305.00
13.	Deposit or dispose of fire extinguisher	Section 2 (e) Schedule B (g)(iii)	305.00
14.	Deposit or dispose of fluorescent tubes and/or thermometers	Section 2 (e) Schedule B (g)(iv)	305.00
15.	Deposit or dispose fertilizers, weed and/or bug killers	Section 2 (e) Schedule B (g)(v)	305.00
16.	Deposit or dispose of reactive waste including pool chemicals, ammonia, bleach and/or aerosols	Section 2 (e) Schedule B (g)(vi)	305.00
17.	Deposit or dispose of oil filters	Section 2 (e) Schedule B (g)(vii)	305.00
18.	Deposit or dispose of oil sludge	Section 2 (e) Schedule B (g)(viii)	305.00
19.	Deposit or dispose of batteries	Section 2 (e) Schedule B (g)(ix)	305.00
20.	Deposit or dispose of crankcase oils and lubricants	Section 2 (e) Schedule B (g)(x)	305.00
21.	Deposit or dispose of transmission fluids	Section 2 (e) Schedule B (g)(xi)	305.00
22.	Deposit or dispose of break fluids	Section 2 (e) Schedule B (g)(xii)	305.00
23.	Deposit or dispose of Engine Coolant	Section 2 (e) Schedule B (g)(xiii)	305.00
24.	Deposit or dispose of propane tanks	Section 2 (e) Schedule B (g)(xiv)	305.00
25.	Deposit or dispose of shingles	Section 2 (e) Schedule B (h)	305.00
26.	Deposit or dispose of used cars and/or parts, or mechanical equipment.	Section 2 (e) Schedule B (i)	305.00

**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER  
BY-LAW 2010-26**

**Set Fine Schedule**

**Part I Provincial Offences Act**

BEING A BY-LAW TO PROHIBIT AND/OR REGULATE  
THE DISPOSAL OF WASTE AT THE BIN SITES AND LANDFILL SITES IN  
THE MUNICIPALITY OF FRENCH RIVER

ITEM	COLUMN 1 Short form wording	COLUMN 2 Provision creating or Defining Offence	COLUMN 3 Set fines
27.	Deposit or dispose of pathological diseased materials	Section 2 (e) Schedule B (j)	305.00
28.	Deposit or dispose of explosives and/or highly combustible materials	Section 2 (e) Schedule B (k)	305.00
29.	Deposit or dispose liquid waste of any kind	Section 2 (e) Schedule B (l)	305.00
30.	Deposit or dispose of hay, straw and/or manure	Section 2 (e) Schedule B (m)	305.00
31.	Deposit or dispose of grass cutting, leaves and/or branches	Section 2 (e) Schedule B (n)	305.00
32.	Deposit or dispose of any plumbing supplies	Section 2 (e) Schedule B (o)	305.00
33.	Deposit or dispose of ashes which are live and warm	Section 2 (e) Schedule B (p)	305.00
34.	Deposit or dispose of tires and/or rims	Section 2 (e) Schedule B (q)	305.00
35.	Deposit or dispose of any electric appliance	Section 2 (e) Schedule B (r)	305.00
36.	Deposit or dispose of any electronics equipment	Section 2 (e) Schedule B (s)	305.00
37.	Deposit or dispose of any type of furniture indoor and/or outdoor	Section 2 (e) Schedule B (t)	305.00
38.	Deposit or dispose of a bicycle	Section 2 (e) Schedule B (u)	305.00
39.	Deposit of dispose of any kids toys	Section 2 (e) Schedule B (v)	305.00
40.	Deposit or dispose of any type of baby strollers	Section 2 (e) Schedule B (w)	305.00

**THE CORPORATION OF THE MUNICIPALITY OF FRENCH RIVER  
BY-LAW 2010-26**

**Set Fine Schedule**

**Part I Provincial Offences Act**

BEING A BY-LAW TO PROHIBIT AND/OR REGULATE  
THE DISPOSAL OF WASTE AT THE BIN SITES AND LANDFILL SITES IN  
THE MUNICIPALITY OF FRENCH RIVER

ITEM	COLUMN 1 Short form wording	COLUMN 2 Provision creating or Defining Offence	COLUMN 3 Set fines
41.	Deposit any cardboard or cardboard boxes not opened or flattened.	Section 2 (g)	305.00
41.	Deposit any waste near or around the waste bin sites.	Section 2 (h)	305.00
43.	Deposit waste not in possession of a valid landfill pass or proof of residence.	Section 2 (i)	305.00
44.	Deposit any waste at the landfill site in an area not designate by the attendant.	Section 4 (a)	305.00
45.	Failure to follow instructions when depositing waste.	Section 4 (b)	305.00
46.	Failure to remit tipping fees before depositing waste.	Section 4 (c)	305.00

**\*NOTE: Penalty provisions for the offences indicated above is Section 5(a) of By-Law number 2010- 26, a certified copy of which has been filed.**

**Schedule "E" To By-law 2017-35  
FEES AND RELATED USER CHARGES**

**Environmental & Public Works**

<b>DRIVEWAY CULVERT REPLACEMENT</b>	
Per meter, 12 inch culvert	\$ 125.00 + appl. taxes
Per meter, 15 inch culvert	\$ 140.00 + appl. taxes
Per meter, 18 inch culvert	\$ 145.00 + appl. taxes
Per meter, 24 inch culvert	\$ 155.00 + appl. taxes

<b>DRIVEWAY CULVERT ADJUSTMENT</b>	
Per meter, 12 inch culvert	\$ 65.00 + appl. taxes
Per meter, 15 inch culvert	\$ 70.00 + appl. taxes
Per meter, 18 inch culvert	\$ 75.00 + appl. taxes
Per meter, 24 inch culvert	\$ 80.00 + appl. taxes

<b>911 SIGNS</b>	
Per sign (including installation)	\$ 75.00 + appl. taxes
Per sign (excluding installation)	\$ 40.00 + appl. taxes

<b>LANDFILL DISPOSAL FEES</b>	
<b>SEPARATION FEES</b>	
Tandem Truck	\$ 382.00
Tri-axle Truck	\$ 486.00
Each Additional Cubic Yards	\$ 51.00
<b>RESIDENTIAL FEES</b>	
Household Waste	No Cost
Tires, per tire	No Cost
Tire, with rim	\$ 6.00
Electronics	No Cost
White Goods	No Cost
Scrap Metals	No Cost
Refrigerants	No Cost
<b>CONSTRUCTION AND DEMOLITION FEES (drywall, insulation, shingles, flooring, lumber, yard waste, etc.)</b>	
Car	\$ 6.00
Truck / Van / Small Trailer	\$ 12.00
Medium Trailer	\$ 18.00
Large Trailer	\$ 24.00
Each Additional Cubic Yards	\$ 12.00
Tandem Truck	\$ 90.00
Tri-axle Truck	\$ 110.00
<b>CONTAMINATED WASTE FEES (contaminated soil or substrate, asphalt, etc.)</b>	
Tandem - Contaminated Waste	\$ 340.00
Tri-axle - Contaminated Waste	\$ 425.00
Each Additional Cubic Yards	\$ 45.00

<b>ASBESTOS – Flat Fee</b> *Must receive prior approval before entering Landfill Site	\$ 200.00 + Appl. Disposal Fees
<b>LANDFILL PASSES</b>	
Landfill Pass – Seasonal Non Resident	\$ 50.00
Landfill Pass Non Resident	\$ 100.00
Landfill Pass Non Resident Commercial	\$ 600.00
Landfill Pass Non Resident Industrial	\$1,000.00
<b>WASTE BIN COLLECTION</b>	
Waste Bin Collection Fee per pick-up	\$ 15.00 + appl. taxes



## LANDFILL DISPOSAL FEES

	Sub-total	Applicable Taxes	Total
Fee to open Landfill after hours	50.00	6.50	<b>56.50</b>
Chipping - per sq.ft.	2.50	.33	<b>2.83</b>
Chipping (for additional storey) - per sq.ft.	2.00	.26	<b>2.26</b>
Debris Separation - per load	486.00	63.18	<b>549.18</b>

### TIPPING FEES - RESIDENTIAL

	Sub-total	Applicable Taxes	Total
Tires, per tire	No Cost		
Tire, with rim	5.00	.65	<b>5.65</b>
Refrigeration Units, not tagged <input type="checkbox"/> reon free	60.00	7.80	<b>67.80</b>
Tandem	80.00	10.40	<b>90.40</b>
Tandem - Contaminated Waste	300.00	39.00	<b>339.00</b>
Tri-axle	100.00	13.00	<b>113.00</b>
Tri-axle - Contaminated Waste	375.00	48.75	<b>423.75</b>
Tractor Trailor	160.00	20.80	<b>180.80</b>
Residential, Industrial, Commercial construction and demolition waste (drywall, insulation, shingles, carpets, ect.)	10.00 per cubic yard	1.30	<b>11.30</b>

### TIPPING FEES - NON-RESIDENT

	Sub-total	Applicable Taxes	Total
Tires, per tire	No Cost		
Tire, with rim	5.00	.65	<b>5.65</b>
Refrigeration Units, not tagged freon free	80.00	10.40	<b>90.40</b>
Tandem	110.00	14.30	<b>124.30</b>
Tandem - Contaminated Waste	413.00	53.69	<b>466.69</b>
Tri-axle	138.00	17.94	<b>155.94</b>
Tri-axle - Contaminated Waste	516.00	67.08	<b>583.08</b>
Residential, Industrial, Commercial construction and demolition waste - per cubic yard (drywall, insulation, shingles, carpets, ect.)	12.00	1.56	<b>13.56</b>
Landfill Pass Non Resident	75.00	-	<b>75.00</b>
Landfill Pass Non Resident Commercial	500.00	-	<b>500.00</b>

**All fees must be paid to the  
Landfill Attendant before dumping.  
Payments must be made in cash or cheque.**

APPENDIX E  
2018 AND 2019 COLLECTION SUMMARY

**Commercial / Institutional  
Collection No. of Bins  
Recycling 2018**

	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Trading Post			1	3	7	8	8	8	8	7			50
Supply Post													0
Schells Camp													0
Loons Landing													0
Enahtig Lodge													0
Voyageur Golf													0
Ranger Bay													0
Shuswap													0
Lakair Lodge													0
Pine Cove													0
St. Antoine	2	5	4	3	5	4	2	2	4	5	5	4	45
High School	1	3	1	1	2	3	1	3	2	2	1	2	22
Co-op													0
Home Hardware				1		1							2
OPP													0
Sportsman Park													0
<b>TOTAL</b>	<b>3</b>	<b>8</b>	<b>6</b>	<b>8</b>	<b>14</b>	<b>16</b>	<b>11</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>6</b>	<b>6</b>	<b>119</b>

**Commercial / Institutional  
Collection No. of Bins  
Waste 2018**

	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Trading Post			2	4	11	13	13	15	12	12	4		86
Supply Post					5	4	9	9	5	4	2		38
Schells Camp					4	8	9	9	8	3			41
Loons Landing	1		1		4	8	9	9	8	8	1		49
Enahtig Lodge	1	1	1	1	1	3	3	1	2	1	1	1	17
Voyageur Golf							1		1				2
Ranger Bay					3	8	9	9	8				37
Shuswap					2	6	5	8	8	3	1		33
Lakair Lodge							1				1		2
Pine Cove					4	1	4	5	4	4			22
St. Antoine	4	4	4	4	5	4	2	4	4	5	4	3	47
High School	3	4	4	4	5	4	1	3	3	3	4	3	41
Co-op	7	7	8	6	7	9	9	13	12	13	11	9	111
Home Hardware	6	8	8	6	8	8	6	12	8	9	9	9	97
OPP	2	1	1	1	1	2		2	2	3		1	16
Sportsman Park													0
<b>TOTAL</b>	<b>24</b>	<b>25</b>	<b>29</b>	<b>26</b>	<b>60</b>	<b>78</b>	<b>81</b>	<b>99</b>	<b>85</b>	<b>68</b>	<b>38</b>	<b>26</b>	<b>639</b>

**Waste Transfer Site  
Collection No. of Bins  
Recycling 2018**

	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Wolseley Bay			10	5	14	16	20	18	11	9	7	6	116
Public Works Yard			70	44	96	88	110	99	46	78	52	57	740
Community Centre			69	46	114	101	122	116	79	80	56	55	838
Shaw Road			6	5	15	14	20	17	9	11	7	5	109
Monetville			14	9	20	20	27	24	16	15	13	9	167
													0
													0
													0
													0
													0
													0
													0
													0
													0
													0
<b>TOTAL</b>	0	0	169	109	259	239	299	274	161	193	135	132	1970

**Waste Transfer Site  
Collection No. of Bins  
Waste 2018**

	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Wolseley Bay			14	14	24	39	37	44	27	30	19	14	262
Public Works Yard			125	135	156	193	186	189	144	168	138	136	1570
Community Centre			159	166	215	252	282	280	218	234	167	143	2116
Shaw Road			14	16	34	41	38	41	27	31	18	14	274
Monetville			29	31	46	51	54	56	39	37	26	23	392
Arena													0
													0
													0
													0
													0
													0
													0
													0
													0
													0
<b>TOTAL</b>	0	0	341	362	475	576	597	610	455	500	368	330	4614

**Commercial / Institutional  
Collection No. of Bins  
Recycling 2019**

	January	February	March	April	May	June	July	August	September	October	November	December	<b>TOTAL</b>
Trading Post				4	8	7	9	7	8	7	1		51
Supply Post													0
Schells Camp													0
Loons Landing													0
Enahtig Lodge													0
Voyageur Golf													0
Ranger Bay													0
Shuswap													0
Lakair Lodge													0
Pine Cove													0
St. Antoine	3	3	2	5	4	2	4	4	5	4	2	3	41
High School	3	2	2	3	4	1	2	5	4	3	2	3	34
Co-op													0
Home Hardware													0
OPP													0
Sportsman Park													0
<b>TOTAL</b>	6	5	4	12	16	10	15	16	17	14	5	6	126

**Commercial / Institutional  
Collection No. of Bins  
Waste 2019**

	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Trading Post				6	14	12	14	13	13	10	4	1	87
Supply Post						3	9	9	7	4	2		34
Schells Camp					3	4	9	9	5	3			33
Loons Landing		1			4	7	9	9	9	6			45
Enahtig Lodge	1	1		1	1	2	3	1	1	4	2		17
Voyageur Golf						1			1				2
Ranger Bay					3	4	9	9	8				33
Shuswap	1			1	1	1	4	2	4	3	1		18
Lakair Lodge							1	4				1	6
Pine Cove					2	1	3	2	3	2			13
St. Antoine	2	4	2	5	6	4	3	4	5	5	4	4	48
High School	2	4	2	5	5	4	4	3	5	5	3	4	46
Co-op	8	9	3	6	14	9	13	12	13	12	12	11	122
Home Hardware	8	5	4	6	11	11	13	11	10	6	4	5	94
OPP	1	1	1	1	1	2	1	1	1	1	1	1	13
Sportsman Park							1		4	1			6
<b>TOTAL</b>	23	25	12	31	65	65	96	89	89	62	33	27	617

**Waste Transfer Site  
Collection No. of Bins  
Recycling 2019**

	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Wolseley Bay	10	3	13	11	13	21	24	25	17	20	9	11	177
Public Works Yard	54	42	27	45	52	89	121	96	76	77	72	82	833
Community Centre	59	48	14	65	86	110	130	132	85	96	60	66	951
Shaw Road	11	3	15	10	15	19	26	24	15	20	11	11	180
Monetville	9	7	19	16	16	24	27	27	17	20	11	17	210
													0
													0
													0
													0
													0
													0
													0
													0
													0
													0
<b>TOTAL</b>	143	103	88	147	182	263	328	304	210	233	163	187	2351

**Waste Transfer Site  
Collection No. of Bins  
Waste 2019**

	January	February	March	April	May	June	July	August	September	October	November	December	<b>TOTAL</b>
Wolseley Bay	9	6	22	20	37	39	46	47	32	30	26	26	340
Public Works Yard	116	88	60	130	167	179	204	157	152	159	108	126	1646
Community Centre	131	68	92	169	236	248	292	233	215	220	184	175	2263
Shaw Road	10	5	13	20	39	44	47	40	35	32	23	29	337
Monetville	9	11	13	29	48	51	64	59	42	42	37	42	447
Arena	2	2		1						4	3	4	16
													0
													0
													0
													0
													0
													0
													0
													0
													0
<b>TOTAL</b>	277	180	200	369	527	561	653	536	476	487	381	402	5049

APPENDIX F  
STATISTICS CANADA MUNICIPAL DATA

**Brudenell, Lyndoch, Raglan**

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	1503	-9.3	963	653	310	706.24	1.36	32
2011	1658	10.8	1031	658	373	705.83	1.46	36
2006	1497	-4.3	1065	609	456	702.77	1.51	43
2001	1565	-2.9	907	--	--	702.8	1.29	
1996	1611	--	--	--	--			

**South Algonquin**

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	1096	-9.5	855	528	327	873.43	0.98	38
2011	1211	-3.4	977	555	422	872.49	1.12	43
2006	1253	-2	1201	573	628	871.31	1.38	52
2001	1278	--	--	--	--			

**Whitewater Region**

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	7009	1.3	3416	2775	641	539.51	6.33	19
2011	6921	4.4	3284	2687	597	537.96	6.10	18
2006	6631	1.7	3028	2582	446	537.96	5.63	15
2001	6520	--	--	--	--			

**Marmora**

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	3953	-3	2521	1726	795	557.08	4.50	31
2011	4074	4.1	2503	1691	812	556.19	4.50	32
2006	3912	-1.8	2213	1598	615	533.75	4.15	28
2001	3985	2.9	2273	--	--	533.81	4.26	
1996	3874	--	--	--	--	--		

**Admaston/Bromley**

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	2935	3.2	1288	1084	204	524.06	2.46	16
2011	2844	4.7	1208	1063	145	524.6	2.30	12
2006	2716	2.3	1117	990	127	520.5	2.15	11
2001	2824	-0.5	1171	-	-	520.51	2.25	

**North Algona Wilberforce**

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Total Land Area (km <sup>2</sup> )	Dwellings'/km <sup>3</sup>	% Seasonal
2016	2915	1.5	1752	1243	509	378.98	4.6	29
2011	2873	1.2	1668	1183	485	378.53	4.4	28
2006	2840	4.1	1624	1155	469	378.53	4.3	28.9
2001	2729	-	-	-	-	-		

## French River

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	2662	9	2108	1220	888	738.48	2.85	42
2011	2442	-8.2	1833	1128	705			
2006	2415	-5.4	2053	1190	863			
2001	2910	-1.3	2109	--	--			
1996	2929	--	--	--	--			

## Servos, Secord, Burwash (Sudbury North)

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	2755	19.5	2076	1267	809	356	0.06	39
2011	2306	-4.5	1728	1059	669			38
2006	2415	-17	1911	1046	865			45
2001	2910	-0.6	3188	--	--			
1996	2929	--	--	--	--	--		

### Killarney

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Total Land Area (km <sup>2</sup> )	Dwelling's/km <sup>3</sup>	% Seasonal
2016	386	-23.6	388	178	210	1653.32	0.23	54
2011	505	10	400	234	166	1654.58	0.24	42
2006	459	6.1	590	196	394	1513.58	0.39	67
2001	428	-42	792	-	-	1513.3	0.52	
1996	738	-	-	-	-	-		

### St Charles

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Total Land Area (km <sup>2</sup> )	Dwelling's/km <sup>3</sup>	% Seasonal
2016	1269	-1	818	573	245	321.75	2.54	30
2011	1282	10.6	759	542	217	321.54	2.36	26
2006	1159	-6.9	697	502	195	318.47	2.19	28
2001	1245	1	852	-	-	318.27	2.68	
1996	1233	-	-	-	-	-		

### West Nipissing

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Total Land Area (km <sup>2</sup> )	Dwelling's/km <sup>3</sup>	% Seasonal
2016	14364	1.5	7013	6281	732	1993.63	3.52	10
2011	14149	5.5	7156	6021	1135	1992.08	3.59	16
2006	13410	2.3	6554	5574	980	1989.57	3.29	15
2001	13114	-2.7	6586	-	-	1909.67	3.45	
1996	13482	-	-	-	-	-		

### East Ferris

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwelling's/km <sup>3</sup>	% Seasonal
2016	4750	-0.3	2084	1782	302	155.17	13.4	14.5
2011	4766	6.7	1883	1699	184	155.03	12.1	9.7
2006	4200	-2.1	1700	1551	149	149.76	11.6	8.7
2001	4291							

## Markstay-Warren

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Total Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	2656	15.6	1276	1111	165	512.78	2.49	13
2011	2297	-7.2	1182	961	221	513.1	2.30	18
2006	2475	-5.8	1119	1005	114	510.12	2.2	10
2001	2672	-11.5	1160	-	-	510.1	2.27	
1996	2967	-	-	-	-	-		

## Mattawa

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	1993	-1.5	979	891	88	3.66	267	9
2011	2023	1	888	854	34	3.66	242	3
2006	2003	-11.8	942	863	79	3.66	257	8
2001	2270	-0.5	1016	--	--	3.66	277	
1996	2281	--	--	--	--			

## Papineau Cameron

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal Dwellings
2016	1016	3.9	514	419	95	566.39	0.90	18
2011	978	-7.8	439	385	54	566.74	0.77	12
2006	1058	6.1	532	419	113	561.37	0.95	21
2001	997	2.5	510	-	-	561.37	0.91	
1996	973	-	-	-	-	-		

## Mattawan

Year	Population	Population Change	Total Dwellings	Permanent Dwellings	Seasonal Dwellings	Land Area (km <sup>2</sup> )	Dwellings/km <sup>3</sup>	% Seasonal dwellings
2016	161	-0.6	104	72	32	201	0.50	31
2011	162	10.2	99	75	24	200.96	0.49	24
2006	147	28.9	120	64	56	199.52	0.60	47
2001	114	-0.9	90	-	-	199.52	0.45	
1996	115	-	-	-	-	-		

APPENDIX G  
MUNICIPAL WASTE TRANSFER SITE COLLECTION  
COSTS

# Municipal Waste Management Waste Transfer Site Costs

## Service Delivery

The Municipality of French River 5 WTS are geographically located to service all parts of the municipality. The distance to the landfill site ranges from 2.7 km to 17.6 km, the distance between WTS ranges from 9 km to 17.1 km. The following data sheets for comparative municipalities illustrate longer travel distances between sites:

Brudenell, Lyndoch & Raglan	over 20 kms
North Algona Wilberforce	over 18 kms
Admaston/Bromley	19.5 to 30 kms

## Capital Costs

Based on current standards to establish and operate a WTS which has 4.5m<sup>2</sup> – 6m<sup>2</sup> (6 to 8 yd<sup>3</sup>) bins and operates with restricted access and security, the following provides a preliminary estimate of costs:

Drainage Improvements	\$2500-\$6500
Fencing the front entrance	\$10,000 to \$15,000
Attendant Shelter	\$1500 each
Security Camera	\$3000 each
New Signage	\$500 each

If the WTS is operating with larger bins 11.5m<sup>3</sup> – 30.5m<sup>3</sup> (15-40 yd<sup>3</sup>) bins, ramps, stairs, and/or retaining walls would be required if a compactor is used for the site would require source of power

## Operating Costs

The 2019 cost to the Municipality of French River was approximately \$372,650 an equivalent of almost \$177 per dwelling. The following data sheets for municipalities with WTS or landfill sites accepting waste and recyclables illustrate a wide range of operating costs. The costs do not include the revenues from user/tipping fees, or wages, equipment and resources for waste disposal. For comparison, the following is presented as a cost per dwelling:

Brudenell, Lyndoch & Raglan	\$114	Municipal waste, contractor recycling
North Algona Wilberforce	\$106	Contractor waste and recycling collection
Admaston Bromley	\$40	Municipal waste, contractor recycling

## RFP Cost

Based on the 2014 RFP a cost of \$523,600 was provided to the Municipality of French River to operate 5 WTS 3 days/week and complete collection for processing. The contractors cost estimate was approximately \$270 per dwelling.

# Municipal Waste Management Collection Costs

## Brudenell, Lyndoch and Raglan

### 2 WTS and 1 Waste Disposal Site (WTS)

**Population:** 1503  
**Dwellings:** 863  
**% Seasonal** 32  
**Land Area** 706 km<sup>2</sup>

#### Service Delivery

Sites have 8 yd<sup>3</sup> bins to accept waste and recyclables. Municipal collection vehicle hauls waste to landfill site from the 2 WTS. Contractors collect the recyclables from the 3 sites and haul to a facility for processing. The Township has established staggered hours so one employee can supervise all sites.

The distance from the Site 1 Landfill Site to the WTS Site 2 – 24.6km and to WTS Site 3 – 28.8km

#### Operating Costs

Wages	\$27,800
Vehicle Maintenance	\$11,600
Recycling Haulage & Processing	<u>\$58,800</u>
	<b>\$98,200</b>

#### Site Operating Hours

Site 1	Wed	1 – 6 pm
	Sat	1 – 4 pm
Site 2	Tues	2:30 – 6:30 pm
	Fri	2:30 – 6:30 pm
Site 3	Tues	9 – noon
	Thurs	2 – 6 pm
	Sat	8 – 11 am

#### User/Tipping Fees

\$2 bag tag  
 \$50 Freon Removal  
 \$10 per cubic yard C&D bulky waste  
 \$5 each furniture item  
 \$15 tire on rim

# Municipal Waste Management Collection Costs

## North Algona Wilberforce

### 2 WTS

**Population:** 2915  
**Dwellings:** 1752  
**% Seasonal** 29  
**Land Area** 379 km<sup>2</sup>

#### Service Delivery

The 2 WTS are operated by the municipality, one has a waste compactor and the other a 40 yd<sup>3</sup> bin to accept waste. There are 40 yd<sup>3</sup> bins and storage areas provided to accept recyclable materials, A Molok system accepts household organic wastes. A contractor collects all materials and hauls to a regional landfill site and processing centre.

The distance between the WTS is 18.6 km. The distance to the regional waste management centre is approximately 20km from the central point of the Township

#### Operating Costs

Wages	\$33,000
Recycling Haulage & Processing	\$7,870
Waste Haulage & Disposal	<u>\$34,630</u>
	<b>\$75,500</b>

Does not include the costs for disposal and processing at the regional waste management centre additional annual cost \$110,000

#### Site Operating Hours

Site 1 Summer  
     Mon 3 pm – 5 pm  
     Wed 3 pm – 6 pm  
     Sat 9 am – 3 pm  
     Sun 2 pm – 4 pm  
  
     Winter  
     Wed 3 pm – 4 pm  
     Sat 9 am – 3 pm

Site 2 Sat 8 am – 3 pm

#### User/Tipping Fees

\$2 bag  
 \$12 per cubic metre

# Municipal Waste Management Collection Costs

## Admaston/Bromley 2 WTS and 1 WDS

**Population:** 2935  
**Dwellings:** 1288  
**% Seasonal** 16  
**Land Area** 524 km<sup>2</sup>

### Service Delivery

Ratepayers with identity cards no charge to use WTS or landfill site. At the WTS waste is deposited into the municipal compactor truck and hauled to the landfill site. Blue box recyclables stored on-site and picked up by a contractor.

The distance between the Site 3 Landfill Site to the WTS Site 1 – 30.7km and WTS Site 2 – 19.5km

### Operating Costs

Wages	\$48,650
Recycling Haulage & Processing	<u>\$29,000</u>
	<b>\$51,550</b>

### Site Operating Hours

Site 1 Summer  
Wed Noon – 8 pm  
Sat 9 am – 5 pm  
Sun Noon – 8 pm

Winter  
Wed 9 am – 5 pm  
Sat 9 am – 5 pm  
Sun 9 am – 5 pm

Site 2 Summer  
Wed 5 pm – 8 pm  
Sat 9 am – 5 pm

Winter  
Sat 9 am – 5 pm

Site 3 Summer  
Wed Noon – 8 pm  
Sat 9 am – 5 pm

Winter  
Sat 9 am – 5 pm

### User/Tipping Fees

\$20 half ton or trailer  
\$40 1 ton truck  
\$60 dump trailer/farm wagon  
\$150 single axle  
\$250 Triaxle  
\$5 Appliance and furniture  
\$20 per tonne contaminated soil

APPENDIX H  
MUNICIPAL CURBSIDE COLLECTION COSTS

# Municipal Waste Management Curbside Collection Costs

## Service Delivery

Residential dwellings receive waste and recyclable pick up once per week. The ICI Sector may also be served by curbside collection based on a cost scale representative of the waste/recycling quantities generated. To control the materials left on the curb for collection and promote waste diversion it is recommended that special (or bag tags) bags are required for waste and blue boxes for recyclables.

## Capital Costs

The following equipment costs are anticipated to establish a new system:

Collection Vehicle	\$285,900 or contractor
Special or Bag Tags for Waste	\$ Assume cost recovery
Recycling Bins for Users	\$ Assume cost recovery

## Operating Costs

The following data sheets for municipalities using a curbside collection system for recyclables and/or waste illustrate a range of costs. The cost does not include the revenue from user/tipping fees, RPRA or other program payments. For comparison the following is presented as a cost per dwelling for the collection.

South Algonquin	\$147	Municipal operation waste only
Mattawa	\$234	Contractor waste and blue box recyclables
Whitewater Region	\$152	Contractor waste and blue box recyclables
Marmora and Lake	\$77	Contractor waste and blue box recyclables
St.-Charles	\$183	Contractor waste and blue box recyclables
East Ferris	\$101	Contractor waste and blue box recyclables

## RFP Cost

Based on the 2014 RFP a cost of \$287,810 was provided to the Municipality of French River to collect waste and recyclables. The contractor cost estimate was approximately \$114 per dwelling. Based on an increase of 2% per year the estimated cost 5 years later would be \$317,765 approximately \$150 per dwelling.

# Municipal Waste Management Collection Costs

## South Algonquin 2 WDS and Curbside Collection

**Population:** 1096  
**Dwellings:** 855  
**% Seasonal** 38  
**Land Area** 873 km<sup>2</sup>

### Service Delivery

The curbside collection of waste is operated by the municipality (no recyclables). On Sundays (May to October) the collection vehicle parks at two (2) water access locations 9 am – 11 am and 1 pm – 4 pm respectively to service water access cottagers. On Tuesdays, Wednesdays, and Thursdays the vehicle services the rest of the municipality.

Waste from the collection vehicle hauls to Site 1 during the summer months and to Site 2 during the winter.

### Operating Costs

Curbside Collection \$126,000  
Includes wages, fuel and maintenance

### Site Operating Hours

Site 1 Summer  
Wed 2:30 pm – 6:30 pm  
Sat 8 am – Noon  
Sun 10 am – 2 pm

Winter  
Wed 1 pm – 4 pm  
Sat 8 am – Noon

Site 2 Summer  
Wed 2:30 pm – 6:30 pm  
Sat 8 am – Noon  
Sun 10 am – 2 pm

Winter  
Wed 1 pm – 4 pm  
Sat 8 am - Noon

### User/Tipping Fees

\$0 collection  
\$20 - \$500 C&D Waste  
\$5 /foot for boats  
\$5 mattresses etc.  
\$30 /tonne contaminated soil

# Municipal Waste Management Collection Costs

## Mattawa 1 WDS and Curbside Collection

Population: 1993  
Dwellings: 979  
% Seasonal 9  
Land Area 3.6

### Service Delivery

The curbside collection of waste is completed by a contractor, only clear garbage bags will be collected. Collection occurs Monday to Thursday unless there are statutory holidays in the week. Single stream recycling (no need to sort materials).

The landfill also accepts waste from the Township of Papineau-Cameron and Mattawan which also receive curbside collection under separate contracts.

### Operating Costs

Waste Curbside Collection	\$133,500
Recycling Curbside Collection	<u>\$95,850</u>
	<b>\$229,350</b>

### Site Operating Hours

Sat 9 am – Noon

### User/Tipping Fees

\$1 per bag  
\$10 /yd<sup>3</sup>  
\$5 - \$20 /yd<sup>3</sup> mixed load for grinding  
\$25 /yd<sup>3</sup> contaminated soil

# Municipal Waste Management Collection Costs

## Whitewater Region 1 WDS and Curbside Collection

Population: 7009  
Dwellings: 3416  
% Seasonal 19  
Land Area 539 km<sup>2</sup>

### Service Delivery

The curbside collection of waste is completed by a contractor, up to 2 regular bags are permitted. If more than 2 bags must purchase Township issued yellow bags at \$5 each. Collection occurs Monday to Thursday unless there are statutory holidays in the week. Recycling collection is completed by a contractor on Monday, Tuesday, Thursday and Friday.

In 2019 the collection contractor ceased operations; the new contractor costs will be approximately \$520,000 per year, over \$150/dwelling.

### Operating Costs

Waste Curbside Collection	\$107,000
Recycling Curbside Collection	<u>\$170,000</u>
	<b>\$277,000</b>

### Site Operating Hours

Wed	8 am – 2:00 pm
Sat	8 am – 2:00 pm

### User/Tipping Fees

\$15 /yd<sup>3</sup> sorted  
\$20 /yd<sup>3</sup> unsorted  
\$15 - \$20 /yd<sup>3</sup> C&D waste  
\$25 /yd<sup>3</sup> contaminated soil  
\$5 Furniture, mattress  
\$2 /ft boats  
\$20 Refrigerated appliance

# Municipal Waste Management Collection Costs

## Marmora 1 WDS and Curbside Collection

**Population:** 3953  
**Dwellings:** 2521  
**% Seasonal** 31  
**Land Area** 557 km<sup>2</sup>

### Service Delivery

Waste collection is Mondays for the rural area and Fridays for the urban area. Recycling collection is on Mondays. A designated waste pick up day for cottagers on Northern Dickey Lake 9 am – Noon in the summer.

### Operating Costs

Waste Curbside Collection	\$100,800
Recycling Curbside Collection	<u>\$ 92,000</u>
	<b>\$192,800</b>

### Site Operating Hours

Summer  
Mon 7 am – 3:00 pm  
Sat 7 am – 3:00 pm  
  
Winter  
Mon 8 am – 4 pm  
Sat 8 am – 4 pm

### User/Tipping Fees

\$2 per bag  
\$5/tonne material <50 kg  
\$135/tonne C&D waste  
\$65 4 yd<sup>3</sup> bin  
\$90 6 yd<sup>3</sup> bin  
\$185/tonne contaminated soil  
\$20 mattress  
\$20 propane tanks  
\$30 Refrigerated appliance

# Municipal Waste Management Collection Costs

## St.-Charles 1 WDS and Curbside Collection

**Population:** 1269  
**Dwellings:** 818  
**% Seasonal** 30  
**Land Area** 321 km<sup>2</sup>

### Service Delivery

The curbside collection of waste is completed by a contractor, servicing almost all residents. Collection occurs on Tuesdays including holidays. Residential dwellings have a limit of 2 bags, and businesses 6 bags per pick up. Recyclables must be in Blue Boxes.

### Operating Costs

Curbside Collection \$150,000

### Site Operating Hours

Mon 8 am – Noon  
Wed Noon – 4 pm  
Sat 9 am – 3 pm

### User/Tipping Fees

\$3 per bag  
\$30 pick up truck or trailer  
\$55 up to 5 ton truck  
\$75 5 ton truck  
\$115 Tandem  
\$150 Triaxle  
\$170 yearly business pass

# Municipal Waste Management Collection Costs

## East Ferris 1 WDS and Curbside Collection

Population: 4750  
Dwellings: 2084  
% Seasonal 15  
Land Area 155 km<sup>2</sup>

### Service Delivery

The curbside collection of waste is completed by a contractor and occurs on Mondays and Wednesdays. Residential dwellings have a limit of 3 bags. If using a bin with more than one user, require a Communal Bin Permit (free). Annual fee for garbage collection \$65 single dwelling and \$40 seasonal dwelling. Annual fee for recycling collection \$45 single dwelling and \$30 seasonal dwelling.

### Operating Costs

Waste Curbside Collection	\$90,119
Recycling Curbside Collection	\$84,674
Recycling Processing	<u>\$37,360</u>
	<b>\$212,153</b>

### Site Operating Hours

Summer  
Tues 1 pm – 6 pm  
Sat 8 am – 6 pm  
  
Winter  
Sat 8 am – 5 pm

### User/Tipping Fees

\$5 up to 3 bags  
\$10/yd<sup>3</sup> waste  
\$35/yd<sup>3</sup> contaminated waste  
\$180 Tandem  
\$220 Triaxle  
\$400 Semi Trailer  
\$750 Asbestos  
\$40 Refrigerated appliances  
\$10 Tires with rims

APPENDIX I  
PRELIMINARY COST ESTIMATES

## Preliminary Estimates - Capital Costs

These figures are developed for Table 11

### Alban Community Centre WTS (Area 0.18ha)

1.	Drainage Improvements	30 bin (8' x 10') gravel pad	
		Materials (250m <sup>2</sup> pad)	\$ 2,950
		Labour and equipment (2 days)	<u>\$ 3,550</u>
			<b>\$ 6,500</b>
2.	Security		
	6' chain link fencing	65m x \$200.00/m	\$13,000
	2 x 20' gate		<u>\$ 1,200</u>
			<b>\$14,200</b>
3.	Upgrades		
	Attendant shelter		\$ 1,500
	New signage		<u>\$ 2,000</u>
			<b>\$ 3,500</b>
<b>TOTAL</b>			<b>\$22,100</b>

---

### Monteville WTS (Area 0.07 ha)

1.	Drainage Improvements	6 bin (8' x 10') pad	
		Materials (50m <sup>2</sup> pad)	\$ 600
		Labour and equipment (1 day)	<u>\$ 1,800</u>
			<b>\$ 2,400</b>
2.	Security		
	6' chain link fencing	45m x \$200/m	\$ 9,000
	20' gate		<u>\$ 600</u>
			<b>\$ 9,600</b>
3.	Upgrades		
	Attendant shelter		\$ 1,500
	New signage		<u>\$ 500</u>
			<b>\$ 2,000</b>
<b>TOTAL</b>			<b>\$14,000</b>

---

### Shaw Road WTS (Area 0.04 ha)

1.	Drainage Improvements	5 bin (8' x 10') pad	
		Materials (40m <sup>2</sup> pad)	\$ 500
		Labour and equipment (1 day)	<u>\$ 1,800</u>
			<b>\$ 2,300</b>
2.	Security		
	6' chain link fencing	30m x \$200/m	\$ 6,000
	2 x 20' gate		\$ 1,200
	Camera		<u>\$ 3,000</u>
			<b>\$10,200</b>
3.	Upgrades		
	Attendant shelter		\$ 1,500
	New signage		<u>\$ 500</u>
			<b>\$ 2,000</b>
<b>TOTAL</b>			<b>\$14,500</b>

## Preliminary Estimates - Operating Costs

These figures are developed for Table 11

### Alban Community Centre WTS

Site Attendant	24 hrs/week	\$24,960
Waste Collection	2300 bins	\$81,190
Recycling Collection	1000 bins	\$61,630

---

### Monetville WTS

Site Attendant	24/16 hrs/week	\$17,920
Waste Collection	450 bins	\$15,885
Recycling Collection	250 bins	\$15,400

---

### Shaw Road WTS

Site Attendant	24/16 hrs/week	\$17,920
Waste Collection	350 bins	\$12,355
Recycling Collection	250 bins	\$15,400

---

### Commercial & Institutional

Waste Collection	620 bins	\$21,865
Recycling Collection	130 bins	\$8,015

**TOTAL** **\$246,865**

### Notes:

1. Site Attendant hours 24 hrs/week (1248 hrs/year) is proposed year-round for the Alban Community Centre. The 2 other sites propose a 24 hour/week in the 4 month summer period and a 16 hour/week in the winter (896 hrs/year). Assume a labour cost of \$20/hr.
2. Collection costs are estimated based on the 2019 costs per bin (Section 3.8). Waste 5049 bins @ \$178,250 = \$35.30/bin Recycling 2351 bins @ \$144,900 = \$61.66/bin.
3. There is no WTS maintenance cost as these duties would be for the site attendant and no need for Miller as WTS drainage improved.
4. The 2019 vehicle maintenance cost is halved for future years as the Freight Liner won't be used much.
5. Administration, Protection and Education the same for future years.
6. The 2019 Household Hazardous Waste collection cost is the same for future years.