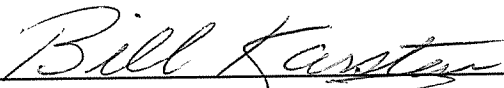


Item No. 10.2.1

Halifax Regional Council
December 16, 2008

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY: 
Councillor Bill Karsten, Chair, Solid Waste Resource Advisory Committee

DATE: December 16, 2008

SUBJECT: ICI Cardboard

ORIGIN

Solid Waste Resource Advisory Committee (SWRAC) meeting December 16, 2008.

RECOMMENDATION

The Solid Waste Resource Advisory Committee recommends that:

1. a letter of thanks go to the local private recycling facility operators for their agreement to resume the acceptance of ICI corrugated - mixed with other ICI fibres, to March 31, 2009,
2. that HRM support the request from the local private sector recycling industry by not accepting ICI cardboard and ICI cardboard mixed with other fibres at the HRM MRF or at the Otter Lake facility for the remainder of FY 2008/09,
3. staff, with the support of local commercial recycling processors, and collectors meet bi-weekly to assess the progress of attaining the separation of ICI fibre required by the local recycling processors, to effect a longer term solution, in the event that there is no market for ICI corrugated mixed with other paper after March 31, 2009,
4. staff continue to take an active role on the Regional Chairs subcommittee which is assessing options and opportunities to market ICI cardboard in Nova Scotia, and,
5. staff regularly update SWRAC of ICI recyclable commodity market conditions and opportunities.
6. staff return to SWRAC in six weeks with a business case and options.

BACKGROUND

As per the attached staff report dated December 12, 2008.

DISCUSSION

As per the attached staff report dated December 12, 2008.

BUDGET IMPLICATIONS

There are no budget implications associated with this report.

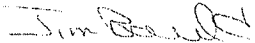
ATTACHMENTS

Staff report dated December 12, 2008.

For further information regarding the contents of this report may be obtained by contacting Jim Bauld, Manager, Solid Waste Resources at 490-6606. Additional copies of the report, and information on its status, can be obtained by contacting the Office of the Municipal Clerk at 490-4210 or Fax 490-4208.

**Solid Waste/Resource Advisory Committee
December 16, 2008**

TO: Bill Karsten, Chairman and Members of the Solid Waste/Resource
Advisory Committee



SUBMITTED BY: _____
Jim Bauld, Manager, Solid Waste Resources

DATE: December 12, 2008

SUBJECT: ICI Cardboard

ORIGIN

- Severe downturn in commodities markets.
- November 14, 2008 rejection of ICI cardboard mixed with other fibres by private recyclers.

RECOMMENDATION

It is recommended that the Solid Waste Resource Advisory Committee recommend to Regional Council that:

1. a letter of thanks go to the local private recycling facility operators for their agreement to resume the acceptance of ICI corrugated - mixed with other ICI fibres, to March 31, 2009,
2. that HRM support the request from the local private sector recycling industry by not accepting ICI cardboard and ICI cardboard mixed with other fibres at the HRM MRF or at the Otter Lake facility for the remainder of FY 2008/09,
3. staff, with the support of local commercial recycling processors, and collectors meet regularly to assess the progress of attaining the separation of ICI fibre required by the local recycling processors, to effect a longer term solution, in the event that there is no market for ICI corrugated mixed with other paper after March 31, 2009,
4. staff continue to take an active role on the Regional Chairs subcommittee which is assessing options and opportunities to market ICI cardboard in Nova Scotia, and,
5. staff regularly update SWRAC of ICI recyclable commodity market conditions and opportunities.

BACKGROUND

The Citizens Stakeholder Committee Strategy

Principal # 3 - Success is Based on Separating Materials at Source

The 1995 Citizens Stakeholders Committee “Integrated Waste/Resource Management Strategy” (ISW/RMS) was accepted by Regional Council in February 1996.

The HRM strategy, as envisioned by the CSC and approved by Regional Council, is based upon separation at source, be it at a place of residence or at work at an industrial, commercial or institutional (ICI) property. Separating materials at source (i.e., paper, from paint, from glass, from plastic, from left over food ,etc.) has proven to be effective in maximizing the inherent value and reuse of each type of material. The HRM ISW/RMS continues to be recognized as a leader, the envy of many municipalities, provinces, states and countries world wide.

For this FY to date (i.e., to October 31st) a waste diversion rate of 60% has been achieved, for the first time since the adoption of the strategy twelve years ago. As measured by a survey conducted by Corporate Research and Associates in the fall of 2008, more than 90% of HRM residents are satisfied /mostly satisfied with solid waste /resource management programs and services.

Revised Cost Projection - Proposed Solid Waste /Resource Management System - July 1996

As recommended at the July 15, 1996 meeting of SWRAC on July 16,1996, Regional Council approved a revised cost projection for the revised new solid waste/resource management system for the Region. The revised cost projection (among other items) specifically noted the following:

“ Fibre Sorting Plant- The changed mission of the Front End Processor (FEP) resulted in the elimination of the ICI fibre rich processing line at the facility. The revised mass balance forecast that 35,000 tonnes of ICI fibre can be available for processing. The revised strategy assumed that the HRM will not build or operate this processing capacity.”

Regional Council’s approval not to invest tax dollars in an ICI fibre sorting/processing plant was based upon local private recyclers having the capacity to take receipt, process and market fibre (corrugated cardboard and paper) from industrial, commercial and institutional (ICI) properties.

Approval by Regional Council in July 1996 of a 60% waste diversion target was in part based upon a \$ 9 million reduction in capital costs, and almost equivalent annual reduction in operating costs of the proposed FEP at the Otter Lake site.

The decision by Regional Council to reduce the size of the FEP also reflected the commitment by the Region of providing a comprehensive Communication & Education campaign focussing on separation at source for both residential and ICI properties, monitoring at ICI properties for compliance of source separation, and that effective April 1, 1996, the Province banned the disposal of cardboard and newspaper in landfills.

Since 1996, local, national and world commodities markets (for paper, metal and plastics) have been strong, peaking in September of 2008. In the past three months ICI cardboard has gone from being valued as much as \$100/tonne, to currently a fee of \$25/tonne for loose cardboard. Baled corrugated cardboard is currently being accepted at no charge by local private recycling facilities. The severe drop in the value paid for ICI cardboard has resulted in the HRM Materials Recovery Facility receiving large volumes of the ICI material.

On November 4, 2008, the local private recyclers gave ten days notice to the local collectors who service ICI properties that cardboard would no longer be accepted mixed with office paper, envelopes, newspaper etc., effective November 14, 2008. This change by local private recyclers has given rise to the current issue.

Mass Balance Model

In 1996, HRM staff, with MIRROR Nova Scotia and Sound Resources Consultants developed a Mass Balance model for the proposed new waste/resource management system. The model estimated the annual tonnage forecast to be received, processed and/or disposed for each of the four major waste streams; Recyclables, Organics, Household Hazardous and Waste. The model was utilized to determine the required capital investment by the HRM for each specific stream, or alternatively, if the local private sector had the capacity to take receipt and manage (i.e., market and /or disposal) the specific material by type.

Attachment # 1 “Waste /Resource System Mass Balance ” details the tonnes of materials by category for both the residential and the ICI sectors for the past twelve months, FY to date, and over the past three years.

There are approximately 43,000 tonnes of ICI sector fibre (corrugated cardboard, newspaper and office paper) recycled annually at the private sector recyclers in HRM. In comparison the HRM Materials Recycling Facility has a processing capacity of 28,000 tonnes annually, which is comprised of predominantly (80%) Residential material. The 2008-09 Operating Budget is based upon the receipt, processing and marketing of 22,000 tonnes of recyclables at HRM’s MRF.

Notification December 8, 2008 - HRM MRF non acceptance of ICI Cardboard

Pursuant to By Law S-600, Section 3(g), on December 8, 2008, the Administrator of the By Law provided notification to collectors that service ICI properties that effective December 11, 2008 that cardboard (separate or mixed with other paper) would not be accepted at the HRM MRF. The notice by the Administrator was the third issued to local private ICI collectors over the two week period relating to the quality and amount of ICI cardboard being received at HRM’s MRF.

This decision by the Administrator of By Law S-600 was in consideration of the following:

1. Not placing at risk the continued success of the residential recycling program, (serving 135,000 residential properties),
2. To prevent the facility from receiving more than its capacity of 28,000 tonnes /year, and
3. To enable the continued safety of the operation, including avoiding potential OH&S issues at the HRM facility.

At the Special Meeting of the SWRAC on December 10, 2008, the following motion was approved:

Moved by Councillor Hum, seconded by Councillor Rankin that the Solid Waste Resource Advisory Committee request an opinion from HRM's Legal Services in regard to the change in operational policy of HRM's Materials Recycling Facility that bans receipt of old corrugated cardboard (OCC) from the ICI sector at the Materials Recovery Facility, 20 Horseshoe Lake Drive, and that mixed fibre be separated from blue bags and not contain any old corrugated cardboard.

MOTION PUT AND PASSED.

DISCUSSION

1. By Law S -600, Section 3 "Administrator"

By Law S-600 approved in 1998 (there have been six amendments to the By Law since adoption) prescribes how the Region's waste /resource management system is to be administered, for both residential and ICI properties.

Section 3, (Attachment # 2) specifies the duties of the Administrator.

Subsection 3 (g) authorizes the Administrator to designate the conditions and guidelines relating to the acceptance of waste materials at waste management facilities.

The HRM Solicitor has advised that providing notification to the ICI hauling industry prohibiting the receipt of ICI corrugated cardboard and ICI cardboard mixed with other fibres at the HRM MRF is consistent with and compliant with the wording of the said subsection of the By Law.

The Manager of Solid Waste/Resources is the Administrator of By Law S-600, as appointed by the Chief Administrative Officer in FY 2003/04.

Since the Otter Lake facility became fully operational in January 1999, Waste Discrepancy Guidelines have existed, specifying the materials that are not accepted including organics, recyclables, cardboard, construction & demolition waste, explosives, PCB's , biomedical-among others. The guidelines/operational policy at the Otter Lake facility are required to maximize HRM's diversion rate, for the safe operation of the facility, and to comply with federal and provincial regulations.

2. Current and Short Term Market Conditions

As agreed at the December 10, 2008 SWRAC meeting, the HRM (members of SWRAC and staff) with the local ICI industry will jointly work to seek a resolution of the current problems respecting the unavailability of local markets for mixed ICI fibre.

For clarity- the general market conditions on December 10, 2008 for fibre (paper) from the ICI sector were as follows:

- baled ICI cardboard - Accepted free at local private recyclers
- loose ICI cardboard - Accepted by local private recyclers, \$25/tonne fee
- newspaper, and office paper (separate from one another) - Accepted by local private recyclers, \$25/tonne fee
- mixed ICI cardboard and other fibres paper - Not accepted at local private recyclers

HRM staff have met with local private recyclers and confirmed that:

Effective December 11, 2008 ICI cardboard mixed with other paper is once again being accepted at local private recyclers for a handling fee - which is greater than for separated fibre.

(See Attachment # 3, letter of December 11, 2008 from Great Northern Recycling Ltd.)

However the private recyclers have advised that commodities market are moving towards acceptance only of separated ICI fibre (i.e., cardboard, office and newspaper- each separate) effective April 1, 2009.

The next three and a half months provides an opportunity for local ICI collectors and their customers (i.e., property owners/managers) to take measures to separate cardboard from other fibre, which if achieved will provide some certainty that most if not all of the 43,000 tonnes/year of ICI paper has a market (i.e., is recycled).

Should a market for ICI cardboard mixed with other paper not be available after April 1, 2009, and no new markets for mixed paper emerge, the risks for the HRM include:

- A severe reduction of the \$3 million annually received from the Resource Recovery Fund in Diversion Credits. The potential disposal of even half of the 43,000 tonnes of ICI cardboard mixed with other paper would result in a \$500,000 loss in revenue for the HRM annually.
- The disposal of ICI cardboard mixed with other paper in the Otter Lake landfill (which will require approval by the Province) would shorten the life of each cell, resulting in a significant increase in the annual Capital Budget for the construction and closure of each cell. Potentially the total \$15 million construction cost for each landfill cell would occur over two years rather than the current three year cycle.

- An exemption from the Province to allow the disposal of cardboard and newspaper in the Otter Lake landfill.

The local ICI fibre recyclers have committed to meeting with staff and the ICI fibre collectors to report on the progress of separation of ICI cardboard from other ICI fibre, and to advise of fibre market conditions over the next three months.

Staff will provide an update to Regional Council, through SWRAC, of the status of ICI properties achieving separation of cardboard from other fibres, and if the March 31, 2009 deadline for the total non acceptance of ICI cardboard mixed with other fibre is achievable. Although some of the local companies providing collection at ICI properties have had separate containers for cardboard, office paper and newspapers for some time, other collectors have not taken this step and will find the March 31, 2009 deadline a challenge.

3. By Law S 600 - Source Separation

The following subsections of By Law S-600 are referenced as at the December 10,2008 SWRAC meeting comments were raised questioning the requirements for source separation at ICI properties.

Section 12.2(b),

“Signage for the sorting of blue bag recyclables, fibre recyclables(emphasis added),organic materials, and ICI waste is to be located within 3 meters of the commercial container(s).”

Section 13 “Commercial Containers”, subsection 1(a),

- every person who makes use of a commercial container for the temporary storage of waste shall ensure such container has displayed “ **Garbage or Waste or Refuse**”, “**Recyclables or Blue Bag Recyclables**”, “**Paper or Cardboard or Fibre**”, and “**Organics or Compost**”.

Subsection 13. 1(m) (ii),

- the owner of any industrial, commercial or institutional premises shall ensure that commercial containers on the premises- are designed and constructed such that the waste (ICI waste, organic materials and recyclable materials) remains in a source-separated condition.

Unlike the residential curbside recycling program, where cardboard has always been separate from other paper, this has not applied to the ICI sector as the material has been received at local private recycling facilities. With the severe retraction of world commodity markets for cardboard and other paper, this changed on November 14, 2008.

4. Wet Cardboard

At the December 10, 2008 SWRAC meeting staff was requested to provide a definition of wet (and unacceptable) cardboard.

Although every fibre commodity market has different specifications and tolerance as to what is acceptable, generally the limit is a moisture content of no more than 15% and a rigidity /firmness when picked up by hand. When there is a downturn in commodity markets, these specifications typically become even more restrictive. Prior to November 14, 2008 issues relating to the marketing of wet cardboard were not experienced at the HRM MRF, as cardboard and other paper from ICI properties went to local private recyclers. These private recyclers may have different markets and market specifications for wet paper.

For the HRM problems with wet ICI cardboard only arose in the past two weeks with the shift of a major portion of ICI cardboard to the HRM MRF.

5. Outcomes and Possible Options/Solutions

Fundamentally there are two possible outcomes as of April 1, 2009.

- 5.1 Markets reject ICI cardboard mixed with other paper
- 5.2 Markets accept ICI corrugated mixed with other paper

Note: Local private paper recyclers advise that they anticipate to continue accepting ICI corrugated, office paper and newspaper - each separately over the long term.

Both potential outcomes will need to be explored and developed over the upcoming two months, in consultation with the local ICI collectors, private paper recyclers, for review by SWRAC and Regional Council of any potential operational, financial and /or policy changes prior to March 31, 2009. Any recommendation would be identified in the proposed 2009-10 Business Plan and Budget.

Outcome # 1

5.1. No markets for ICI Cardboard mixed with other paper on April 1, 2009. (Risk Factor 95%)

Local private paper recyclers, some who have long established marketing expertise and influence world wide, have advised that there will be very likely no market for ICI corrugated mixed with other paper after March 31, 2009.

Option A- HRM's MRF

Assess and evaluate operational changes at the HRM MRF for the receipt of large volumes of ICI cardboard mixed with other paper (i.e. expansion and /or off site storage of ICI mixed paper) without putting at risk the receipt and processing of 18,000 tonnes a year of residential recyclables(blue bags and fibre)- which cannot be put at risk.

The new contract with Miller Waste for the operations of the MRF is effective April 1, 2009. Although staff has not discussed with Miller a possible expansion of the HRM MRF or the time lines to complete, in the recently awarded RFP 08-084, Miller has identified a cost of \$223,000 in capital and \$80,000 /year in operating costs for a 8,000 tonne expansion. A 8,000 tonne expansion

of the HRM MRF will only bring the processing capacity to 36,000 tonnes which would be significantly less than what would be required if all the ICI cardboard with mixed paper was received at the HRM MRF. An expansion will require approval by Regional Council.

Option B - Otter Lake

Assess the option of utilizing the Otter Lake facility for the receipt and processing of 75 to 100 tonnes/day of ICI mixed cardboard. This option cannot put at risk the receipt of some 500 tonnes to 750 tonnes/day of mixed waste material received daily at Otter Lake.

Preliminary discussion with MIRROR Nova Scotia has confirmed that the receipt of ICI mixed cardboard (100 tonnes day, or 26,000 tonnes/year) at the Otter Lake site, on a contingency basis, is feasible. Issues relating to the storage, transportation and marketing, of the material, including the recovery of costs incurred via a tipping fee of the material would have to be addressed.

Assisting ICI Property Owners

This will involve HRM staff working with the local ICI sector (i.e. property owners, and collectors) to help them achieve source separation of their cardboard, office paper and newspaper by March 31, 2009. Assisting ICI property owners and their collectors is a given regardless if Option A or B is engaged.

Options A and B will likely necessitate the storage (between 3 to 6 months- potentially longer) of mixed ICI cardboard in HRM owned or leased warehouses. Based upon 100 tonnes day, at least a 10,000 sq/ft building would be required. Lease, building security and other costs would likely result in a cost of \$10 sq/ft, or approximately \$10,000/month.

As noted previously in this report, if no markets exist for ICI cardboard mixed with other paper after March 31, 2009, (which has a very high probability) even if a tipping fee was applied to recover the full costs borne by the HRM for the receipt, processing, and storage of mixed cardboard, there is the potential for the material to be ultimately disposed in the Otter Lake landfill, with significant revenue loss for the HRM and rapid depletion of the very valuable/costly cell capacity.

Outcome # 2

5.2 Markets available for ICI cardboard mixed with other paper available on April 1, 2009 (Risk Factor 5%)

The availability of long term sustainable markets for ICI cardboard mixed with other paper after March 31, 2009 is highly unlikely. The world economic crises and resultant severe downturn in the demand for all paper, especially for the lowest grade of paper (i.e., mixed), is very low, and is not expected to improve for at least 8 to 10 months, and perhaps as long as 18 months.

A business case will be required for Option A (MRF) and Option B (Otter Lake).

6. Impact for the ICI Property Owner/Manager - Option # 3

Staff's best estimate of the incremental costs for the separation of ICI cardboard from other paper for the average ICI property in HRM (i.e. big box store), is an increase of between \$40 to \$60 month, resulting from local recyclers on November 14, 2008 charging a fee of \$25/tonne, as compared to paying a \$100/ tonne four months ago.

The local private paper recyclers have advised that the handling fee for ICI cardboard mixed with other fibres effective immediately is \$100/tonne, and may increase. An increase to \$100 tonne would result an total additional cost for the typical ICI property owner of between \$70 to \$ 100 month.

The provision of additional containers(often referred to as 'toters') for cardboard, office and newspaper at ICI properties is not an insignificant cost for the ICI property owner. The cost would be passed on by the ICI collector. The provision of separate containers for cardboard, office and newspaper at ICI properties would however:

- avoid the \$100/tonne fee as local private paper recyclers accept separated ICI paper for free, or at a reduced cost;
- be consistent with the HRM ISW/RMS Principal # 3 - Source Separation;
- enable the maximum recovery and reuse of all ICI paper;
- enable the HRM to increase RRFB Diversion credits;
- will preserve the three year life cycle of each landfill cell; and,
- will minimize HRM's environmental footprint as a Sustainable Community.

BUDGET IMPLICATIONS

There are no budget implications at this time.

FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Capital and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Capital and Operating reserves, as well as any relevant legislation.

ALTERNATIVES

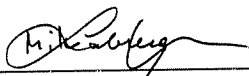
There are no recommended alternatives. The March 31, 2009 deadline provides an opportunity for ICI properties to achieve source separation of cardboard from other paper, and alternately for staff and the local industry - with the assistance of the Province, to assess potential market opportunities for ICI cardboard mixed with other paper.

ATTACHMENTS

1. Waste/Resource Mass Balance System
2. Section 3, By Law S- 600
3. December 11, 2008 letter from Great Northern Recycling Inc.

A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/cagenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

Report Prepared /Approved by: Jim Bauld, Manager Solid Waste Resources 490-6606



Report Approved by:

Mike Labrecque, P.Eng., Director, Transportation & Public Works

SWKAC- Dec 16/08

Attachment # 1

Waste/Resource System Mass Balance

Twelve Months November to October

System Components	Residential YTD 07/08	Residential 06/07	% Change	Commercial 07/08	Commercial 06/07	% Change	System Total 07/08	Notes
Refuse	63,351	66,531	(-4.78%)	91,037	89,538	1.67%	154,388	
Organics	34,088	30,751	10.85%	16,385	14,568	5.61%	49,473	
Recycling	17,955	17,737	1.23%	3,643	3,643	0.76%	21,627	
Fibres Private Recycling (Est)	N/A	N/A	N/A	43,000	43,000	0.00%	43,000	
Backyard Composting (Est)	5,000	5,000	0.00%	N/A	N/A	N/A	5,000	
Drop-off Materials (Est)	7,500	7,500	0.00%	N/A	N/A	N/A	7,500	
C & D	N/A	N/A	N/A	87,879	73,104	20.21%	87,879	
HHW (Est)	500	500	0.00%	N/A	N/A	N/A	500	
Totals	128,395	128,018		240,973	223,853		369,368	
Diversion (% of Totals)	50.66%	48.03%		62.27%	60.00%			
Overall Diversion (Res+Com)	58%							

Waste/Resource System Mass Balance

Year to Date (YTD) 01 April 2008 - 31 October 2008

System Components	Residential YTD 2008	Residential YTD 2007	% Change	Commercial YTD 2008	Commercial YTD 2007	% Change	System Total 2008	Notes
Refuse	39,608	40,556	(-2.34%)	54,508	50,693	1.52%	94,116	
Organics	22,904	20,187	13.46%	9,288	8,840	5.07%	32,192	
Recycling	10,727	10,623	0.98%	2,352	2,156	9.58%	13,089	
Fibres Private Recycling (Est)	N/A	N/A	N/A	25,100	25,100	0.00%	25,100	
Backyard Composting (Est)	2,900	2,900	0.00%	N/A	N/A	N/A	2,900	
Drop-off Materials (Est)	4,400	4,400	0.00%	N/A	N/A	N/A	4,400	
C & D	N/A	N/A	N/A	61,562	50,258	22.49%	61,562	
HHW (Est)	300	300	0.00%	N/A	N/A	N/A	300	
Totals	60,838	78,965		152,822	140,047		233,659	
Diversion (% of Totals)	51.00%	48.64%		64.33%	61.66%			
Overall Diversion (Res+Com)	60%							

Ten Percent Challenge

Year to Date (YTD) 01 April 2008 - 31 October 2008

System Components	% Change	2008 Refuse	% Change	2008 Organics	% Change	2007 Recycling	2006 Recycling
Residential	(-2.34%)	39,608	13.46%	22,904	0.98%	10,623	10,282
ICI	1.52%	54,508	5.07%	9,288	9.58%	2,156	2,615
Total	(-0.14%)	94,116	10.91%	32,192	2.43%	12,779	12,897

By Law 5-600

materials, and organic materials at designated waste management facilities operated by the Municipality, its contractors or its agents.

(uu) "waste management facilities" means any of the facilities for the management of ICI waste, mixed waste, recyclable materials, and organic materials operated by the Municipality, its contractors or its agents and includes, without limitation, the front end processing facility, materials recovery facility, residuals disposal facility, source-separated composting facility(s), transfer station(s) and waste stabilization facility.

(vv) "waste stabilization facility" means a facility for the stabilization of ICI waste and mixed waste containing residual organic material.

(ww) "white goods" means any large household appliance including but not limited to refrigerators, freezers, air conditioners, stoves, washers, and dryers with the CFC refrigerants removed as required by applicable law, provided that any such item may be no more than 200 kilograms in weight.

3. THE ADMINISTRATOR

3.1 The Administrator shall administer and enforce the provisions of this By-Law and, for this purpose, may:

- (a) divide the Municipality into areas for the purposes of collection of collectible waste from eligible premises on various days of the week;
- (b) designate a particular day of the week for collection of collectible waste in each designated collection area;
- (c) alter the boundaries of areas as deemed necessary on reasonable notice to the public;
- (d) administer and liaise with any collection contractor who may be hired by the Municipality to carry out collection of collectible waste within the Municipality;
- (e) assign organics collection carts and mini-bins to eligible premises;

(f) determine the frequency of collection of collectible waste in each designated collection area of the Municipality; and

(g) designate the conditions and guidelines relating to the acceptance of waste materials at waste management facilities. ←

4. THE PUBLIC

4.1 The owner or occupier of an eligible premises shall:

(a) utilize regulation containers for the storing and collection of mixed waste, recyclable materials, and organic materials;

(b) provide sufficient and adequate regulation containers to contain collectible waste generated at the eligible premises;

(c) maintain such regulation containers in good repair and in a sanitary condition;

(d) ensure that each regulation container is covered and secured at all times except when being-emptied or filled;

(e) store collectible waste outside the main building on the eligible premises only in secured regulation containers made inaccessible to pests or animals;

(f) ensure the proper preparation of all collectible waste in accordance with this By-Law;

(g) ensure that collectible waste is placed for collection in accordance with this By-Law;

(h) where reasonably possible, ensure that collectible waste remains behind or beside the main building on the eligible premises except on collection day; and

(i) source-separate all collectible waste generated from eligible premises at the point of generation so as to comply with the provincial disposal bans and to facilitate their recycling, composting or disposal in accordance with the Municipality's waste resource management system.

SWRAC - Dec 16/08

Attachment # 3

GREAT NORTHERN RECYCLING, INC

41 Gurholt Drive, Burnside Industrial Park
Dartmouth, Nova Scotia B3B 1J8

Phone: (902) 468 - 8128

Fax: (902) 468 - 8129

December 11, 2008

HALIFAX REGIONAL MUNICIPALITY
Solid Waste Resources
40 Alderney Dr. Suite 102
Dartmouth, NS

Attention: Laurie Lewis
490- 6690

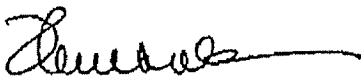
Reference: Acceptance of Recyclable Waste Paper

Further to our telephone discussion with regards to the acceptance of clean recyclable materials we offer the following:

- Acceptance of clean corrugated cardboard (OCC) with a handling fee: no blue bags.
- Acceptance of clean fiber in blue or clear bags with a handling fee: no OCC or cans, bottles, plastics, etc
- Acceptance of clean fiber in bags and clean OCC with a higher handling fee: no blue bags with cans, bottles, plastics

Should you require additional information or clarification please do not hesitate to contact the undersigned, I remain,

Sincerely,



GREAT NORTHERN RECYCLING, INC
Terri M. Kaulback
General Manager
(902) 468-8128