



PO Box 1749  
Halifax, Nova Scotia  
B3J 3A5 Canada

MEMORANDUM

TO: Councillor Bill Karsten, Chairman and Members of SWRAC  
CC: Mike Labrecque, P.Eng., Director, TPW  
FROM: Jim Bauld, Manager, Solid Waste Resources  
DATE: September 15, 2009

**SUBJECT: Solid Waste Resources - Update - Various**

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This memorandum is provided for your information and the members of SWRAC in advance of the September 24, 2009 meeting.

**1. Resource Recovery Fund Board - Balanced Representation - Public and Private Sector:**

At the September 9, 2009 Regional Chairs Solid Waste Committee meeting, the letter dated July 20, 2009 from the District of the Municipality of Yarmouth, with the attached resolution (Attachment # 1), was endorsed. A balanced representation on the RRFB from the municipal and private sector will become even more vital as the Province proceeds with the development and implementation of a revised solid waste strategy, designed for the 300 kg/per capita goal by 2015. Currently, of the twelve RRFBoard members, only two have municipal interests. Revenue from the RRFB for municipal waste diversion programs, funds only 10% of the cost of municipal programs.

**2. Environmental Goals and Sustainable Prosperity Act (Bill 146):**

Attachment # 2 is a letter dated September 4, 2009, to Ms. Christine Penny, Manager, Solid Waste NS Environment, from the seven municipalities that have a “second generation” (post 1996) landfill. NS Environment has agreed to recognize as a distinct stakeholder and consult with the seven municipalities (including the HRM) that have a second generation landfill. The impact on the seven municipalities of attaining the 300 kg/per capita as it relates to the recovery of capital and operating costs, and the economics of existing second generation landfills in NS, is to be determined. Staff will be actively involved as the potential ramifications of the new provincial solid waste strategy becomes

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*Each landfill cell costs \$15 million and is full in three years.  
Help extend the life of each cell by recycling and composting.*

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TRANSPORTATION & PUBLIC WORKS, Solid Waste Resources

Real Property      Metro Transit      Traffic & Right of Way      Municipal Operations      Fleet Services      Service Delivery & Quality Improvement      Solid Waste Resources  
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clear. At the August 27<sup>th</sup> meeting of the seven municipalities, discussion included having the NS Environment engage a consultant to complete a financial review and impact assessment of the 300 hg/per capita target - specifically for the seven municipalities with a second generation landfill.

**3. 2006 Compost Facility Guidelines:**

At the September 9, 2009 meeting of Regional Chairs, Ms. Christine Penny, NS Environment, presented the "Compost Maturity - Project Charter"(Attachment # 3). The document details the process and time line for compliance by compost facility owners/operators - public and private, to achieve compliance with the higher standard 2006 Compost Facility Guidelines. Staff will work closely with New Era Technologies Ltd., Miller Composting and NS Environment to determine the financial implications of New Era and Miller Composting achieving compliance.

Pursuant to the "Change-of-Law" clause in the 1997 and 1998 Agreement with Miller and New Era respectively, the HRM can be expected to be subject to costs of the Implementation/Compliance Plan for each facility, as approved by NS Environment. From the schedule NS Environment provided on page three, it appears the financial implications will potentially impact the FY 2011/12 HRM Operating Budget.

**4. By-Law S-605 - ICI Recyclable Paper and Cardboard:**

Attachment # 4 A is the "ICI Recyclable Paper and Cardboard Update # 5" notice which has been provided to local private collectors and paper recyclers.

As members of SWRAC will recall, in June Regional Council approved By-Law S-605 requiring cardboard to be separated from other paper at ICI properties, thereby maximizing the value and recycling of cardboard while the commodity market is low and after it recovers. Domestic markets for paper continue to be very weak while foreign markets have recovered somewhat. Local paper recyclers have advised that the majority of ICI properties are separating cardboard from other paper, although properties serviced by two companies are having difficulty. The private paper recyclers agreed to continue to accept paper mixed with cardboard for a final three month period to the end of September. Attachment # 4 B is the notice of the By-Law amendment which was placed in the local newspapers in July. All of the local retail and merchant associations, including the Board of Trade and the Chamber of Commerce, have been advised of the By-Law requirements.

As members of Regional Council were advised in June, the implementation of By-Law S-605 has been phased in over a three month period, ending September 30<sup>th</sup>. One collection company has advised that some ICI property owners/managers have indicated that they

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<i>Real Property</i>	<i>Metro Transit</i>	<i>Traffic &amp; Right of Way</i>	<i>Municipal Operations</i>	<i>Fleet Services</i>	<i>Service Delivery &amp; Quality Improvement</i>	<i>Solid Waste Resources</i>
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will become compliant only after having been issued an order by the HRM. Staff have reminded the local collectors - and through them their customers - of the September 30<sup>th</sup> deadline, and that the new provisions of the By-Law will be administered in the regular course of duty similar to other requirements of By-Law S-600.

**5. Otter Lake Facilities - Cost Review:**

In 2005, Regional Council approved a five year cost substantiated price for the operation of the Otter Lake facilities by MIRROR Nova Scotia. The five year price agreement concludes on March 31, 2010. In discussion with MIRROR last spring, it was agreed that the same business model approach for the next five year term, i.e. April 1, 2010 to March 31, 2015, will be applied. MIRROR NS has commenced assembling documentation for HRM's review. The HRM Contract Negotiations Team is comprised of staff from SWR, Legal, Finance, and Procurement. The cost substantiation review is expected to take at least three months from which, subject to agreement by the HRM and MIRROR, a new operating fee will be established for FY 2010/11, in advance of the proposed 2010/11 operating budget approval. The process involves a detailed review of approximately 100 batch/cost centre files.

**6. Enerkem Proposal:**

Staff has requested and is waiting for details from Enerkem for a test of mixed waste from the FEP and the WSF at their facility in Sherbrooke Quebec. Information regarding kgs required, material composition, size of material, moisture content limit, etc., and the cost, will be reviewed by staff. Subject to funding being available, the test will be conducted this fall with the results made available to appropriate parties.



**Attachments:**

1. Letter dated July 20<sup>th</sup> from Municipality of The District of Yarmouth;
2. Letter dated September 4<sup>th</sup> to Ms. Christine Penny, NS Environment;
3. Compost Maturity - Project Charter;
- 4.(A) ICI Recyclable Paper and Cardboard Update # 5;
- 4.(B) Notice - By-Law Amendment - Separation of Corrugated Cardboard & Paper at Industrial, Commercial & Institutional Properties

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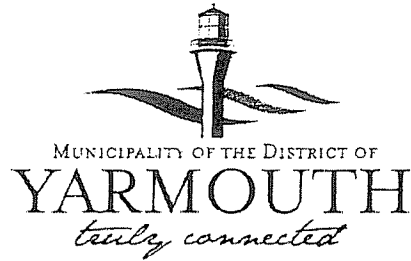
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SWRAC Sept 24 109  
Attachment #1

2009-08-10-005



July 20, 2009

Union of Nova Scotia Municipalities  
Suite 1106, 1809 Barrington Street  
Halifax, NS B3J 3K8

Dear President Hines:

**RE: 2009 CONFERENCE RESOLUTION - RRFB Resolution**

Please find enclosed a resolution approved by the Municipality of Yarmouth at the July 22, Municipal Council Meeting that they wish to forward for submission as a resolution at the 2009 Annual UNSM Conference.

Yours truly,

Ken Moses  
Chief Administrative Officer  
KRM/lasd

Enclosure

cc: Nova Scotia Municipal units via e-mail

UNSM.RRFBRResolution.doc

## **RRFB RESOLUTION**

Despite the importance of RRFB funding to Municipalities, we have very little representation on the RRFB Board of Directors. Currently, the Board is comprised of twelve members only two of which should be considered "Municipal" representatives, one chosen from the Regional Chairs Committee and one from the UNSM. The remaining members are appointed by the Minister of Environment. It is our belief that Nova Scotia's Municipalities who are bearing the financialburden for the management of Solid Waste deserve greater representation on this important board.

WHEREAS: Council of the Municipality of the District of Yarmouth, hereinafter called the Council, is the governing body of the Municipality;

AND WHEREAS: Council has serious concerns about the increasing financial implications arising from the Provincially mandated waste disposal target of 300 kg / per person / per year by 2015;

AND WHEREAS: Council has serious concerns about the level of Municipal representation on the Board of RRFB as well as concerns about the funding decisions being made by this Board;

BE IT THEREFORE RESOLVED that Council calls upon the UNSM to actively lobby the Provincial government to change the structure of the Board of the RRFB to balance Municipal and non municipal representation.

September 4, 2009

NS Environment  
Attn: Christine Penney, Manager, Solid Waste  
5151 Terminal Road  
PO Box 697  
Halifax, NS  
B3J 2T8

Dear Mrs. Penny:

**Re: EGSPA - Solid Waste - 300 kg/per capita by 2015**

Nova Scotia Environment is commended for the public consultation approach utilized for the development of a Revised Provincial Solid Waste Management Strategy which is scheduled for release later this fiscal year. Public consultation at the front end, often results in acceptance and support for change.

Although the public engagement process has been quite inclusive to date, it is submitted that the seven municipalities who each have made significant financial capital and annual operating investment in a second generation landfill, have not been recognized as a distinct and unique stakeholder. In this regard, the following is requested of the NS Environment:

- That the seven municipalities with a second generation landfill be recognized as a unique stakeholder; and that
- Prior to the release of the Revised Provincial Solid Waste Strategy, the NS Environment regularly meets and apprises the seven municipalities of the status and progress of the development of the Revised Provincial Solid Waste Strategy over the coming months.

The seven municipalities who have a second generation landfill potentially have the greatest financial impact of achieving 300 kg/per capita by 2015, as contained in EGSPA. In this regard, the seven municipalities welcome the opportunity to discuss an approach that will measure the potential financial impact for each municipality as the per capita disposal rate trends downward to 300 kg/per capita.

It is requested that a meeting with a representative of the seven noted municipalities be scheduled within the next three weeks before the revised strategy is finalized. A representative from each of the seven municipalities is available on September 17<sup>th</sup>.

Thank you for your consideration of this request. We look forward to your reply.

Regards,



Manager  
Solid Waste Resources  
Transportation & Public Works  
Halifax Regional Municipality

on behalf of:

Municipality  
of the District  
of Chester

Municipality  
of the County  
of Colchester

Cumberland  
Joint Services  
Management Authority

Municipality  
of  
Guysborough

Region of Queens  
Municipality

Municipality  
of the District  
of West Hants

c: The Honourable Sterling Belliveau, Minister of Environment  
Richard Dauphinee, Chair Regional Chairs

# Compost Maturity – Project Charter

- Compost Maturity Study
  - Identifies need for site specific evaluation of composting process
  - Provides “snapshot” of composting technologies that can meet current (NSE 2006) maturity standards.
  - Pressures on facilities
    - Age / maintenance issues
    - Expansion of “clear bag” programs
    - 300 kg/person by 2015
    - The 2006 maturity standards



# Compost Maturity – Project Charter

- WRM / EMC looking at pressures on facilities in order to:
  - Identify possible modifications to 2006 Guidelines.
  - Consult with facility operators so that they have input into changes/ development of compliance timeline.
  - Develop Implementation Plan.
  - Action Implementation Plan.
  - Monitor progress towards achieving compliance with operational approvals.
  - Amended operating Approvals issued at completion of process, where necessary.

# Compost Maturity – Project Charter

- Tentative timeline
  - Review changes to guidelines – Sept - Oct '09
  - Consultation with operators – Oct – Nov '09
  - Internal approval of Compliance Plan – Nov '09
  - Formal notification of Stakeholders – Dec '09
  - Submission of Facility Action Plans – Dec '10
  - Review by NSE – June '11
  - Action Plans implemented – Dec '11
  - Compliance Plan audits / Approval amendment – June – Dec '12



Solid Waste Resources  
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## ICI RECYCLABLE PAPER AND CARDBOARD UPDATE #5

August 21, 2009

HRM's amended By-Law (By-Law S-600) requiring the separation of recyclable cardboard from paper at industrial, commercial and institutional (ICI) properties came into effect July 1, 2009.

Notification of the amended By-Law has been provided to Greater Burnside Business Association, Sackville Drive Business Association, Quinpool Road Mainstreet District Association, Spring Garden Area Business Association, BOMA/Canada, IPOANS, Downtown Halifax Business Commission, Downtown Dartmouth Business Commission, and Halifax Chamber of Commerce.

Notice of the By-Law amendment contents was advertised in the Chronicle Herald in July.

HRM's Solid Waste Resource website has been updated to reflect the amended By-Law.

Great Northern Recycling and Scotia Recycling continue to receive loads of mixed paper and cardboard for a fee during the phase in of the By-Law implementation until September 30, 2009.

HRM will be providing a letter reminding Haulers of the three month phase in period of By-Law S-605 and that Solid Waste Resource Compliance Officers will commence inspections at ICI properties in September. If after inspection and after notice being given, the property is still not compliant, the property owner/agent will be subject to receipt of a Summary Offence Ticket which includes a fine of \$337.

HRM staff will provide a report to the Solid Waste Resource Advisory Committee in September, of the progress of the ICI sector separating paper from other cardboard and general market conditions.

Domestic markets for ICI fibre continue to be very weak/non existent. There is some information that Ontario Fibre brokers are beginning to pay something for OCC. Foreign fibre markets have improved but are not interested in mixed hardpack fibre due to the world wide supply of separated paper and cardboard.



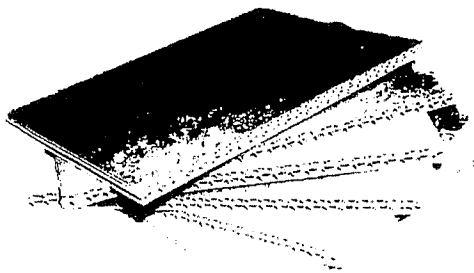
## NOTICE

### **By-Law Amendment - Separation of Corrugated Cardboard & Paper at Industrial, Commercial & Institutional Properties**

The Municipality has now amended its municipal bylaw (By-Law S-600) to require the separation of recyclable cardboard from paper at industrial, commercial (includes apartment buildings greater than six units) and institutional (ICI) properties effective July 1, 2009.

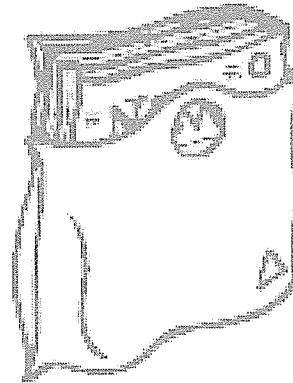
This amendment will ensure the marketability of cardboard and paper when markets are down and after they recover. A copy of this amendment to HRM By-Law S-600 is available on the HRM's website at [www.halifax.ca](http://www.halifax.ca)

**The By-Law change requires that corrugated cardboard and paper be maintained separate at ICI properties from the point of generation of the recyclable materials through storage, collection and transport by your ICI hauler. This is in addition to the requirement to keep blue bag recyclable materials separate from corrugated cardboard and paper. Check with your hauler for specific collection arrangements for your location to be used to collect paper and corrugated cardboard.**



(Corrugated Cardboard)

Separate From



(Newspapers, office paper, flyers, envelopes, magazines, telephone books, etc)