

MEMORANDUM

TO: Bill Karsten, Chairman and Members of SWRAC

CC: Mike Labrecque, P.Eng., Director, T&PW
Sandra Riley, Clerks Office

FROM: Jim Bauld, Manager

DATE: April 22, 2008

SUBJECT: Latest SWR System Mass Balance Tonnage Report

The attached Mass Balance Tonnage Report for a twelve month period from March '07 to February '08, year to date April 1/07 to February 29/08, Ten Percent Challenge for past three years, System Mass Balance for February 2008 and the Tonnage Report for February 2008, are provided for the information of members of SWRAC.

To highlight the statistics in the attached spreadsheets:

- All indicators are positive. Recyclables and organics both continue to increase in tonnage. Also, significantly total refuse disposed at the Otter Lake facility has decreased.
- For the eleven month period from April 2007 to end of February 2008, the total refuse received at the Otter Lake facility decreased from 146,942.71 tonnes to 143,381.23 tonnes (some 3,561.48 tonnes or - 2.4 %), compared to the same eleven month period the previous year. Based upon the first eleven months of 07-08, it is projected that 07-08 will be the second consecutive year of a decrease in total waste received at the Otter Lake facility.

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

- A decrease in refuse preserves the processing capacity in the Front End Processor/Waste Stabilization Facility (i.e. negates the requirement for an expansion of the tipping floors/and or processing lines) and decreases the rate of utilization of space in each landfill cell.
- Pursuant to Supplementary Agreement # 8 with MIRROR Nova Scotia, when a drop in tonnage at the Otter Lake facility during the current five year contract occurs, the HRM receives a savings in operational costs. A drop in tonnage in 06-07 resulted in MIRROR Nova Scotia rebating HRM \$308,800 last spring. A similar saving - which will be accrued and will offset a portion of the projected HRM deficit for 07-08 fy - is anticipated for the 07-08 Solid Waste Resource Otter Lake operating account.
- For the period of April 07 to end of February 2008, the Overall Diversion Rate (Residential and Commercial) is 57%. If the trend continues for March 2008, a total diversion rate of 57% for 07-08 will be achieved, a first for HRM. Solid Waste Resources continues to administer By-Law S-600, most notably, the reduced refuse bag/can limit of six (6), and the higher source separation requirements (i.e. separate bins with signs) at ICI properties.



Attachment - Mass Balance Tonnage Report

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TRANSPORTATION & PUBLIC WORKS, Solid Waste Resources

<i>Real Property</i>	<i>Metro Transit</i>	<i>Traffic & Right of Way</i>	<i>Municipal Operations</i>	<i>Fleet Services</i>	<i>Service Delivery & Quality Improvement</i>	<i>Solid Waste Resources</i>
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HALIFAX REGIONAL MUNICIPALITY
Solid Waste Tonnage Report

Date	Residential Refuse	Commercial Refuse	Special	Total Refuse	Residential Organics	Commercial Organics	Total Organics	Recycling	Total All Streams
01-Feb-08	234.27	329.18	11.54	574.99	61.28	48.15	109.43	67.67	752.09
02-Feb-08	0.00	87.46	0.00	87.46	0.00	0.00	0.00	0.00	87.46
03-Feb-08	0.00	1.59	0.00	1.59	0.00	0.00	0.00	0.00	1.59
04-Feb-08	218.25	389.20	19.62	627.07	63.75	83.44	147.19	83.11	857.37
05-Feb-08	214.83	265.58	7.43	487.84	93.15	43.53	136.68	90.96	715.48
06-Feb-08	187.08	336.41	17.06	540.55	73.05	65.98	139.03	60.03	739.61
07-Feb-08	141.20	300.33	15.91	457.44	70.40	37.88	108.28	60.75	626.47
08-Feb-08	161.10	299.51	5.75	466.36	66.55	56.17	122.72	57.58	646.66
09-Feb-08	1.29	69.82	0.00	71.11	0.00	0.00	0.00	0.00	71.11
10-Feb-08	0.00	0.90	0.00	0.90	0.00	0.00	0.00	0.00	0.90
11-Feb-08	170.21	321.82	22.73	514.76	60.20	78.44	138.64	62.35	715.75
12-Feb-08	199.30	272.33	18.90	490.53	60.00	37.03	97.03	72.46	660.02
13-Feb-08	188.34	276.41	5.84	470.59	50.53	41.73	92.26	73.52	636.37
14-Feb-08	238.75	303.13	9.49	551.37	39.33	38.97	78.30	68.48	698.15
15-Feb-08	218.07	341.85	18.21	578.13	54.65	65.30	119.95	67.54	765.62
16-Feb-08	0.00	68.37	0.00	68.37	0.00	0.00	0.00	0.00	68.37
17-Feb-08	0.00	3.13	0.00	3.13	0.00	0.00	0.00	0.00	3.13
18-Feb-08	194.87	385.91	9.38	590.16	55.15	75.95	131.10	65.05	786.31
19-Feb-08	207.62	327.07	0.00	534.69	90.52	40.55	131.07	82.08	747.84
20-Feb-08	221.76	352.40	11.89	586.05	94.14	55.64	149.78	80.61	816.44
21-Feb-08	152.15	299.82	0.00	451.97	91.49	39.66	131.15	84.68	667.80
22-Feb-08	173.60	295.75	18.25	487.60	76.87	47.50	124.37	70.33	682.30
23-Feb-08	0.00	61.13	0.00	61.13	0.00	0.00	0.00	0.00	61.13
24-Feb-08	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.86
25-Feb-08	208.38	348.58	17.29	574.25	76.02	89.81	165.83	87.04	827.12
26-Feb-08	239.09	280.84	14.23	534.16	91.54	40.27	131.81	89.46	755.43
27-Feb-08	262.34	345.31	19.50	627.15	82.71	60.32	143.03	74.03	844.21
28-Feb-08	235.01	289.83	6.65	531.49	53.84	41.52	95.36	76.88	703.73
29-Feb-08	221.26	287.05	18.61	526.92	50.02	49.67	99.69	62.67	689.28
Total month 2008	4,288.77	6,941.57	268.28	11,498.62	1,455.19	1,137.51	2,592.70	1,537.28	15,628.60
% of all Streams	27.44%	44.42%	1.72%	73.57%	9.31%	7.28%	16.59%	9.84%	100.00%
Year to Date	59,000.62	82,002.34	2,378.27	143,381.23	29,969.34	13,725.96	43,695.30	19,809.64	206,886.17
% Year to Date	28.52%	39.64%	1.15%	69.30%	14.49%	6.63%	21.12%	9.58%	100.00%
Previous Year to Date	62,352.63	82,259.27	2,330.81	146,942.71	28,694.03	13,194.71	41,888.74	19,815.26	208,646.71
% Prev. Year to Date	29.88%	39.43%	1.12%	70.43%	13.75%	6.32%	20.08%	9.50%	100.00%

Waste/Resource System Mass Balance

Twelve Months March to February

System Components	Residential 07/08	Residential 06/07	% Change	Commercial 07/08	Commercial 06/07	% Change	System Total 07/08	Notes
Refuse	64,984	69,034	(-5.87%)	90,721	91,454	(-0.80%)	155,705	
Organics	31,387	30,325	3.50%	14,864	14,399	3.23%	46,251	
Recycling	17,975	17,446	3.03%	3,517	4,187	(-16.02%)	21,492	
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	76,596	69,997	9.43%	76,596	
HHW (Est)	500	500	0.00%	N/A	N/A	N/A	500	
Totals	127,347	129,804		228,698	223,038		356,045	
Diversion (% of Totals)	48.97%	46.82%		60.33%	59.00%			
Overall Diversion (Res+Com)	56%							

Waste/Resource System Mass Balance

Year to Date (YTD) 01 April 2007 - 29 February 2008

System Components	Residential YTD 07/08	Residential YTD 06/07	% Change	Commercial YTD 07/08	Commercial YTD 06/07	% Change	System Total 07/08	Notes
Refuse	59,952	63,285	(-5.27%)	83,429	83,658	(-0.27%)	143,381	
Organics	29,969	28,694	4.44%	13,726	13,195	4.03%	43,695	
Recycling	16,576	15,996	3.63%	3,234	3,819	(-15.33%)	19,810	
Fibres Private Recycling (Est)	N/A	N/A	N/A	39,400	39,400	0.00%	39,400	
Backyard Composting (Est)	4,600	4,600	0.00%	N/A	N/A	N/A	4,600	
Drop-off Materials (Est)	6,900	6,900	0.00%	N/A	N/A	N/A	6,900	
C & D	N/A	N/A	N/A	71,385	64,887	10.01%	71,385	
HHW (Est)	450	450	0.00%	N/A	N/A	N/A	450	
Totals	118,448	119,925		211,174	204,959		329,621	
Diversion (% of Totals)	49.39%	47.23%		60.49%	59.18%			
Overall Diversion (Res+Com)	57%							

Ten Percent Challenge

Year to Date (YTD) 01 April 2007 - 29 February 2008

System Components	% Change	07/08 Refuse	06/07 Refuse	05/06 Refuse	% Change	07/08 Organics	06/07 Organics	05/06 Organics	% Change	07/08 Recycling	06/07 Recycling	05/06 Recycling
Residential	(-5.27%)	59,952	63,285	64,596	4.44%	29,969	28,694	27,823	3.63%	16,576	15,996	15,757
ICI	(-0.27%)	83,429	83,658	87,208	4.03%	13,726	13,195	12,008	(-15.33%)	3,234	3,819	2,657
Total	(-2.42%)	143,381	146,943	151,804	4.31%	43,695	41,889	39,830	(-0.03%)	19,810	19,815	18,414

Waste/Resource System Mass Balance February

System Components	Residential		Commercial		System Total		Notes
	2008	2007	2008	2007	2008	2007	
Refuse	4,396	4,232	7,103	6,183	11,499	11,499	
Organics	1,455	1,147	1,138	1,056	2,593	2,593	
Recycling	1,282	1,133	255	230	1,537	1,537	
Fibres Private Recycling (Est)	N/A	N/A	3,500	3,500	3,500	3,500	
Backyard Composting (Est)	400	400	N/A	N/A	400	400	
Drop-off Materials (Est)	600	600	N/A	N/A	600	600	
C & D	N/A	N/A	4,921	3,564	4,921	4,921	
HHW (Est)	40	40	N/A	N/A	40	40	
Totals	8,173	7,552	16,916	14,533	25,089	25,089	
Diversion (% of Totals)	46.21%	43.95%	58.01%	57.46%			
Overall Diversion (Res+Com)	54%						

