

Southgate OMRC

Public Advisory Committee

Minutes from PAC Meeting #19

LYSTEK SOUTHGATE ORGANIC MATERIALS RECOVERY CENTRE

Tuesday, October 28, 2014

TIME: 7 pm

LOCATION: Southgate OMRC Facility – Eco Park

ATTENDEES:

Steve Redmond (Chair), Glen Irwin, Mary Fowler, Sarah Mason, Karen Cheeseman
Mike Dougherty – Lystek

Regrets: Grant Preston, David Hiscock

AGENDA TOPICS:

Item	Description	Action By
1.	Review of previous meeting minutes	Accepted by consent via email within two weeks of last meeting
2.	Approval of Agenda	Moved by Mary Fowler Seconded by Karen Cheeseman
3.	Public and Media Attendance – Re: Question Period and Code of Conduct	Steve
4.	Operations Update The OMRC is currently operating 24 hours per day, 5 days a week and running three shifts. This schedule has been consistent for the summer months. The seasonality change has resulted in the facility receiving more incoming material (see summary at end of report). The OMRC is now officially listed in the contingency plans for Hanover and Owen Sound. If these municipalities cannot land apply due to wet weather the biosolids can be transferred to the OMRC for further processing. The OMRC has capacity to accept additional incoming material. Lystek has hired one additional employee, Brad Danyluk, as an operator to replace one part time	Mike Dougherty

	<p>employee and the co-op student who returned to school. Currently there are 10 full time employees employed at the OMRC. The second storage lagoon for processed product remains under construction. It is expected to be completed and commissioned into use within the next few months. Outgoing material is currently being land-applied on fields where soybeans and canola have been harvested. The applications are dependent on harvest weather.</p> <p>Grand Opening: Lystek held a grand opening at the OMRC on September 17, 2014. There were about 140 invited individuals from various industries and the broader community that attended. Tours were given of the facility while it was operating and participants were also taken to visit a field to see the LysteGro material land applied by Highland Custom Farming. Lystek received a great deal of positive feedback from a variety of industry and regulatory leaders and were happy with the day.</p> <p>Any community members who would like to tour the facility are encouraged to contact Mike and he would be happy to provide a tour.</p>	
5.	<p>Community Concerns No complaints have been received by PAC members or Lystek staff in the past few months.</p>	Mike Dougherty
6.	<p>Monitoring Reports The PAC reviewed the third quarter monitoring report. Similar to previous summaries, the levels of metals are well below regulated levels with pathogens levels below detection. Analysis results are attached. .</p>	
7.	<p>New Business: <i>New Southgate Council Representative</i> The recent municipal election will require Southgate to appoint a new representative from council to attend the PAC meetings as the council representative. Steve will contact the Township as Chair of the</p>	

PAC to explain the Terms of Reference and make a request for a new PAC member appointment.

Amendments to Terms-of-Reference:

Two changes were accepted by consensus.

1. Under the heading of "General Mandate" the meeting frequency has been changed to quarterly from the current "six times per year". This decision was based upon the existing problem-free operation of the OMRC and the lack of interest in involvement from members of the public.
2. Under the heading of "Composition of the PAC", item (c) was amended to read "a representative of the Township of Southgate Council". This was necessary to ensure that the municipal involvement on the PAC will include a municipal councillor and not just a representative from the municipality. The PAC feels that the municipal representative should be an elected official and not a staff member or a person appointed by Southgate Council.

Mike Dougherty has contacted the MOE in Owen Sound regarding the decreased frequency of meetings. Mike has stated that communication with the MOE indicated that they have no issues with meeting quarterly with a suggestion that the PAC could meet more often if there is a specific reason.

PAC Membership changes:

After three years of involvement, Sarah Mason, Grant Preston and Mary Fowler have resigned from the PAC, effective the end of 2014. They have enjoyed their time volunteering on the PAC.

Glen Irwin expressed interest in continuing his involvement on the PAC as a community member.

The PAC wishes to express sincere thanks to Sarah, Grant and Mary for serving in an objective manner for three years. Their assistance in writing the Terms-of-Reference and professional conduct during the 19 PAC meetings is appreciated.

Moved by Sarah Mason
Seconded by Karen Cheeseman

Steve received Grant Preston's resignation by phone call on November 15th. His resignation was accepted by Steve.

8.	Action Items: Review membership at the first meeting in 2015.	Steve
	Next meeting is planned for Tuesday, February 17, 2015 at 7 pm in the Southgate Organic Materials Recovery Centre boardroom.	
	Adjourn Meeting	Moved by Mary Fowler Seconded by Karen Cheeseman

Incoming Material Summary		
Type	Volume (trucks) per day	Municipality (s)
Cake (solid)	6	Toronto, Halton, Guelph, Kitchener
Liquid	3-4	Orangeville, Tay Township

The Southgate OMRC PAC is a condition of the MOE's Environmental Compliance Approval to create an open flow of information to local residents about the biosolids processing centre in Dundalk, Ontario. Members of the PAC meet on a bi-monthly basis. Currently, there are five volunteer community members and a chairperson on the committee. Members of the PAC include Grant Preston a retired farmer and former Reeve of Proton Twp., Glen Irwin, a local business person and Southgate Twp. councillor, Mary Fowler, a freelance reporter and former editor of The Dundalk Herald, Sarah Mason, a local university student, Karen Cheeseman, a local graphic artist and David Hiscock, a resident of Dundalk. The committee is chaired by Stephen Redmond. He is a certified crop advisor, a former Environmental Specialist with OMAFRA and former resident of Dundalk.

Processed Product Analysis Form
Quarter 3 - 2014 Jul Aug Sept

Lystek Southgate Organic Materials Recovery Centre (OMRC)
191 Eco Park Way, Dundalk, Ontario

Constituent	June 30 - July 4	July 7 - 11	July 14 - 18	July 21 - 25	July 28 - Aug 1	Aug 4 - 9	Aug 11 - 15	Aug 18 - 22	Aug 25 - 29	Sept 1 - 5	Sept 8 - 12	Sept 15 - 19	Sept 22 - 26	Quarterly Average	Maximum Allowable Metal Concentration ^a
Metals															
Arsenic	2.30	4.10	3.60	2.80	3.10	2.80	2.50	2.50	2.14	1.41	1.79	5.14	3.45	2.87	170
Cadmium	1.77	2.38	1.78	2.33	2.17	2.57	2.46	2.03	2.58	2.63	3.29	3.26	2.30	2.23	34
Cobalt	3.53	3.02	3.04	4.41	4.35	3.08	4.29	4.21	5.52	5.54	4.80	4.84	4.33	3.94	340
Chromium	63.25	77.25	68.80	80.40	117.40	58.10	71.90	61.60	69.20	90.90	68.95	81.20	62.95	74.21	2,800
Copper	731.75	757.80	855.25	903.00	721.80	992.40	854.70	839.40	692.40	764.40	715.20	536.50	828.30	816.50	1,700
Mercury	0.32	0.32	0.57	0.51	0.48	0.42	0.44	0.45	0.31	0.45	0.46	0.28	0.37	0.42	11
Molybdenum	8.90	8.80	7.70	9.00	7.90	7.90	8.70	8.30	9.00	10.30	9.70	10.60	9.60	8.47	94
Nickel	18.65	24.50	30.08	25.32	30.74	21.13	25.35	22.37	23.93	24.43	20.69	21.33	25.91	24.67	420
Lead	39.04	37.38	46.37	41.13	37.35	42.59	38.82	38.73	33.07	36.50	34.43	36.80	35.69	39.39	1,100
Selenium	2.50	3.40	3.60	2.10	2.00	2.00	2.40	1.30	1.60	1.73	2.26	1.89	2.47	2.32	34
Zinc	755.00	780.90	763.50	998.40	762.30	975.30	918.60	846.90	905.70	1,031.10	915.60	869.40	936.60	856.29	4,200
Nutrients and Physical Properties															
Ammonium - N	12,649.50	4,878.64	31,100.00	45,800.00	8,533.33	9,973.92	12,758.01	11,499.43	11,116.91	10,293.90	2,251.81	9,137.26	7,015.82	16,479	n/a
Total Moisture	85.96	85.30	85.38	86.06	84.76	85.93	86.21	85.85	85.51	85.73	85.94	85.64	86.35	85.66	n/a
Total Organic Carbon	312,100	313,000	313,900	306,500	285,100	317,500	312,200	305,900	303,000	305,900	309,400	305,200	309,700	307,689	n/a
Total Kjeldahl Nitrogen	35,100	36,000	21,600	45,800	40,500	32,000	12,900	33,800	45,000	34,800	33,700	32,000	33,800	33,633	n/a
Nitrate and Nitrite-N	22.80	24.80	8.40	10.74	21.80	12.72	45.00	27.60	42.60	67.00	122.20	<10 ^b	24.00	24.05	n/a
Total Potassium	21,400	23,200	22,700	21,400	20,900	29,500	18,800	22,200	20,900	19,300	18,300	17,600	20,300	22,333	n/a
Total Phosphorus	30,200	31,400	26,500	25,200	23,400	32,400	27,200	27,900	26,600	29,400	26,500	28,500	26,100	27,867	n/a
Pathogens															
E.coli	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	n/a
Fecal Coliforms	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	1,000
Salmonella	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	<1

^a As per Section 14.2 of Environmental Compliance Approval No. 8850-8V6S7Z

^b Due to inferences in the sample, accurate results were unattainable. Dilutions were below detection limits.

NOTE: Analysis completed by A&L Canada Laboratories Inc.

NOTE: Each sample represents a composite of a minimum of 1 grab sample collected directly from the discharge point of the process reactor on a daily basis.

n/a - not available

NEG - negative

Units

mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg

mg/kg
%
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MPN/g
MPN/g
CFU/25g