

Southgate OMRC Meeting Notes
PAC Meeting #35
Public Advisory Committee Meeting #35
LYSTEK SOUTHGATE ORGANIC MATERIALS RECOVERY
CENTRE

Date: January 10, 2024

Location: Teams Conference Call

Participants:

Chair: Merv McLeod (Chair) - McLeod Wood Associates Inc.

Members: Joan John - Township of Southgate
Christina Rittwage – Community Member
Michael Sherson – Community Member
Simon Meulendyk – Lystek
Adrienne Van Dyk – Lystek

Regrets: Sherifa Carmichael – Community Member

Item	Description	Action
1.	Meeting called to order at 7:09 PM Round Table Introduction	
	Review of 2022 Meeting Minutes Comments on minutes: <ul style="list-style-type: none"> A number of Council members toured facility <ul style="list-style-type: none"> Wardens Breakfast Council attended the facilities 10th anniversary Joan John did some outreach for new members at Council there was no interest in joining PAC Simon confirmed that electronic link is on the Lystek site 	Previously accepted by consensus via email
2.	Approval of Agenda	Accepted Mover: Christina Rittwage Seconded: Michael Sherson
3.	Public and Media Attendance-Re: Question Period and Code of Conduct <ul style="list-style-type: none"> There is no public or media in attendance Council does advertise the PAC meeting There have been few inquiries to members about the PAC, members have informed the questioner about the meeting and they are welcome to attend 	
4.	Operations Update-Simon	Acceptance of 2023 Operations Update

	<p>The site remains having two different season operations. Winter months, higher volumes of incoming biosolids are delivered and processed into LysteGro. Lystek provides a great opportunity for generators to continue with beneficial reuse even during months/weeks/days of inclement weather. Summer, incoming volumes typically recede, but the site adjusts operations to focus on shipping out the fertilizer that was produced over the winter as well as complete maintenance activities. One additional biosolids customer was added in 2023, GE Booth WWTP. Lystek received material over the summer while maintenance was being performed on the GE Booth incinerators.</p> <p>Summary of Material Dewatered : Toronto, Guelph, Muskoka, Hamilton, Halton, Paris, Kitchener/Waterloo, Peel</p> <p>Liquid : Orangeville, Durham, Arthur, LCBO, Mono, Shelburne, Reinhart</p> <p>Land application went well this year, selling out of product at the beginning of October, evidence of the high demand for the material.</p> <p>Lystek added one additional employee to the Southgate OMRC, Adrian Simpson. Adrian was hired as the sites' new Operations Supervisor, overseeing day to day activities. This hire will allow Simon to provide attention to further Lystek's operations as well as vetting business development opportunities.</p> <p>The Southgate OMRC celebrated its 10th anniversary this June. Customer, public, councillors and contractors were invited to for catered lunch and tours of the site. Mayor Milne, Grey-Bruce-OS MPP Rick Byers, Tomlin CEO Ron Tomlinson and Executive Vice President Mike Beswick all spoke. MP Alex Ruff expressed his regrets being unable to attend but forwarded and his congratulations and wish to have a tour in the future.</p> <p>Office Administrator, Sue Campbell also celebrated her 10th year with Lystek.</p> <p>Questions: How is the product is sold? The fertilizer product is sold directly to farmers, and is usually sold out in October. Regular users of the product will be informed of availability and when it is expected that it will be sold out for the year.</p> <p>When does the facility take in raw material? The facility takes in higher volumes of product in the winter season, and less in the summer. In the summer the raw material suppliers can spread directly on fields where food quality fertilizer is not required.</p>	<p>Moved by: Christian Rittwage</p> <p>Seconded by: Joan John</p> <p>Carried</p>
	<p>Community Correspondence</p> <ul style="list-style-type: none"> Received congratulations for 10th anniversary. There have been a few odour comments, which are down significantly since the new cover on reservoir has been completed. Christina R. has not received any concerns regarding the facility. Michael Sherson, he live close to the facility and there is a smell in the air when the wind is from the east and the weather is dreary. Still believes there is an issue. Joan John received 3 calls of concern in December 2023 and drove close to site to check the smell for herself. She personally confirmed the smell once and forwarded the complaint to the site. <p>Question:</p>	

	<p>Does Lystek you need a formal complaint in order to provide a formal response to include with report to the Ministry of Environment?</p> <p>Yes, there is instructions on the Lystek website on how to make a formal complaint to the Ministry of Environment.</p>	
	<p>2023 Monitoring Report</p> <p>The report is attached as page 4 of report.</p>	<p>Acceptance of Report</p> <p>Moved by: Joan John</p> <p>Seconded: Michael Shearson</p> <p>Carried</p>
	<p>Meeting Date</p> <p>Date of Next Meeting will be set for one evening during the week of November 16 to 23, 2023 and meeting invites will be sent at least 1 month before meetings</p>	<p>Acceptance of proposed meeting date</p> <p>Moved by : Michael Shearson</p> <p>Seconded by: Christian Rittwage</p> <p>Carried</p>
	<p>Meeting Adjourned at 8:08 pm</p>	<p>Moved by: Christina Rittwage</p> <p>Seconded by: Michael Shearson</p> <p>Carried</p>

Stored Product Analysis
2023



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

Constituent	January	February	March	April	May	June	July	August	September	October	November	December	Yearly Average	Maximum Allowable Concentration ^a	Units
Metals															
Arsenic	BDL	3.00	1.00	BDL	2.00	2.00	BDL	3.00	2.00	4.00	2.23		BDL	170	mg/kg
Cadmium	2.91	2.74	3.07	2.64	2.43	3.47	2.87	3.15	3.90	2.95	0.70		1.87	34	mg/kg
Cobalt	6.32	5.61	3.31	5.88	5.21	5.35	5.41	5.75	5.48	5.90	5.60		5.56	2,800	mg/kg
Chromium	102.65	90.70	114.55	84.10	79.06	76.00	86.45	87.85	87.60	58.78	74.10		83.93	340	mg/kg
Copper	847.00	800.00	614.50	846.00	681.67	760.50	768.50	824.00	774.50	602.23	730.00		776.83	1,700	mg/kg
Mercury	0.60	0.30	0.30	0.30	0.60	0.60	0.20	0.20	0.50	0.80	0.62		0.58	1,100	mg/kg
Molybdenum	16.80	14.90	26.90	14.30	12.80	12.50	14.40	14.30	13.20	10.70	12.50		13.59	11	mg/kg
Nickel	40.06	31.62	26.66	29.12	27.63	26.95	32.18	32.66	30.12	24.31	28.90		33.27	94	mg/kg
Lead	38.00	23.00	14.00	23.00	22.00	25.00	30.00	31.00	28.00	20.00	32.00		26.83	420	mg/kg
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.20		BDL	34	mg/kg
Zinc	985.50	772.00	594.50	774.00	787.78	808.00	779.50	838.00	852.00	743.48	807.00		914.00	4,200	mg/kg
Nutrients and Physical Properties															
Total Solids	11.35	11.77	12.06	11.53	11.43	10.94	11.42	11.20	11.52	11.92	11.00		11.62	n/a	%
Volatile Solids	6.40	6.71	7.79	6.63	6.75	6.20	6.33	6.18	6.43	7.84	6.20		6.35	n/a	%
Total Organic Carbon	313,100	316,600	358,900	319,600	328,200	305,400	307,900	306,500	310,000	365,200	299,000		310,508	n/a	mg/kg
Total Kjeldahl Nitrogen	59,000	57,800	74,700	58,100	31,400	58,500	60,200	58,100	57,600	58,100	63,818		52,525	n/a	mg/kg
Ammonium - N	26,571	27,803	30,295	29,481	1,353	31,251	31,854	29,321	29,653	30,802	28,727		23,927	n/a	mg/kg
Nitrate and Nitrite-N	5.16	1.65	3.64	15.08	10.48	4.22	13.38	9.36	3.80	2.96	0.09		3.71	n/a	mg/kg
Total Potassium	18,400	17,500	1,600	18,400	15,500	22,800	21,200	22,600	21,600	25,200	16,300		16,092	n/a	mg/kg
Total Phosphorus	97,600	82,800	79,900	84,700	84,000	87,900	93,300	5,500	89,800	84,200	73,300		33,075	n/a	mg/kg
Pathogens															
Fecal Coliforms	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8		n/a	<1000	MPN/g
Salmonella	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG		n/a	<1	CFU/25g

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

Note - Each sample collected consists of a minimum of 1 grab sample collected directly from the discharge point of the process reactor.

Note - Analysis completed by A&L Canada Laboratories Inc.

n/a - not available

ND - Not detected

NEG - negative