

The Corporation of the City of Kawartha Lakes

Agenda

Lindsay-Ops Landfill Public Review Committee Meeting

2019-156

Wednesday, September 11, 2019

3:00 P.M.

Weldon Room

City Hall

26 Francis Street, Lindsay, Ontario K9V 5R8

Members:

Councillor Pat Dunn

Chris Appleton

Karen Buckley

Barry Hodgson

William McLaren

Lloyd Robertson

Larry Scrivens

Ken Trodd

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| 1. | Call to Order | |
| 2. | Adoption of Agenda | |
| 3. | Disclosures of Pecuniary Interest | |
| 4. | Approval of the Minutes of the Previous Meeting | 3 - 5 |
| 5. | Reports | |
| 5.1 | PRC Activity Summary Spreadsheet | 6 - 6 |
| 6. | Landfill Complaints | |
| 7. | Leachate Outbreaks | |

8. Other New Business

8.1 Cell 4/5 Construction ECA Ammendment

8.2 MECP Groundwater Comments and Stormwater Inspection Report

8.3 Styrofoam and Single Use Plastics Ban Update

8.4 Integrated Waste Management Strategy Update Draft

9. Public Comment Period

10. Next Meeting

11. Adjournment

7 - 7

The Corporation of the City of Kawartha Lakes
Minutes
Lindsay-Ops Landfill Public Review Committee
Meeting

2019-155
Wednesday, July 10, 2019
3:00 P.M.
Victoria Room
City Hall
26 Francis Street, Lindsay, Ontario K9V 5R8

Members:
Councillor Pat Dunn
Chris Appleton
Karen Buckley
Barry Hodgson
William McLaren
Lloyd Robertson
Ken Trodd

Accessible formats and communication supports are available upon request.

1. Call to Order

The chair called the meeting to order at 3:00pm.

2. Adoption of Agenda

Moved By Councillor Dunn

Seconded By C. Appleton

Carried

3. Disclosures of Pecuniary Interest

There were no declarations of pecuniary interest disclosed.

4. Approval of the Minutes of the Previous Meeting

Moved By B. Hodgson

Seconded By K. Buckley

Carried

5. Reports

5.1 PRC Activity Summary Spreadsheet

6. Landfill Complaints

Kerri informed the PRC that there was an odour complaint on June 14th 2019. This issue was likely due to construction on site and the odour subsided the following day. The MECP was notified.

7. Leachate Outbreaks

No leachate outbreaks.

8. Other New Business

8.1 Provincial Updates

Kerri provided some information on the provincially managed diversion programs (household hazardous waste, waste electronics, and the blue box) shift to producer responsibility. Dates have been set in 2021 for transition for household hazardous waste and waste electronics. A date has not been set for the blue box program at this time however mediations with important stakeholders and a report to the MECP will be submitted July 20th.

8.2 Waste Management Strategy Update

Kerri provided an update on the public consultation process for the Waste Management Strategy Update. There was a public meeting on June 26th and the stop, start, continue exercise was completed. The PRC was provided with a summary of the initiatives which received the highest votes from each group that completed the exercise. The key standout from this was that more public education on waste and recycling is needed in Kawartha Lakes. The draft Strategy Update will be given to the PRC prior to the September meeting.

9. Public Comment Period

No comments.

10. Next Meeting

The next meeting will be Wednesday, September 11th at 3:00 pm. in the Weldon Room, City Hall.

11. Adjournment

The meeting was adjourned at 4:00pm.

Moved By Councillor Dunn

Seconded By B. Hodgson

Carried

**Lindsay Ops Landfill Public Review Committee
Action List**

Meeting Date of Activity	Action	Responsibility	Action Item Date:	Status
15-May-13	PRC requested operational updates on the Landfill Gas Electricity Generation.	CKL	Monthly	Sept 11 Meeting: New gas wells hooked up to system on June 10th-11th. Wells not showing high methane readings, looking at placing final cover over well area.
15-Jan-14	That the PRC is copied on Staff Reports to Council regarding the Lindsay Ops Landfill	CKL	As Available	Sept 11 Meeting: No reports in September
21-Jan-15	Provide update on quarterly PCB testing (SW3/ SW13)	CKL	Quarterly	Sept 11 Meeting: Samples taken July 17th and August 13th. No PCBs detected. Next sampling to occur before Nov 30th.
17-Jun-15	MECP Comments	CKL	As Available	Sept 11 Meeting: Agenda Items
18-Nov-15	Fenelon Pollinator Project Updates	CKL	As Available	Sept 11 Meeting: No updates.
23-Nov-16	Biomonitoring	CKL	As Available	Sept 11 Meeting: No updates.
21-Jan-19	Leachate Water Quality Results	CKL	As Available	Sept 11 Meeting: See attached leachate results.
17-May-17	Waste Management Advisory Committee Update	CKL	As Available	Sept 11 Meeting: At the August meeting the public consultation and survey results were discussed for the Waste Strategy Update as well as the date set for producer responsibility of the blue box.
17-Jan-17	Updates on Blue Box markets and Legislation	CKL	As Available	Sept 11 Meeting: Markets low. Date for transition to producer responsibility of the blue box has been set for 2023-2025.
16-May-18	Construction and Demolition and Mattress Recycling Update	CKL	As Available	Sept 11 Meeting: Programs going well.
20-Jun-18	Lindsay Ops EA Process Update	CKL	As Available	Sept 11 Meeting: No updates.

Lindsay Ops Leachate		<div>Exceeds Bylaw Value</div> <div>Exceeds PWQO Value</div>									
Parameters	CKL Sewer Bylaw Limits (mg/L)	Provincial Water Quality Objectives (mg/L)	Jan. Results (mg/L)	Feb. Results (mg/L)	Mar. Results (mg/L)	April. Results (mg/L)	April. Results (mg/L) new cell	May Results (mg/L)	June Results (mg/L)	July Results (mg/L)	August Results (mg/L)
Hardness (CaCO ₃)	N/A	N/A	593	596	544	653	925	557	475	628	649
Alkalinity (CaCO ₃)	N/A	N/A	609	599	601	482	1270	528	531	693	773
Biochemical Oxygen Demand (BOD)	300	N/A	<3	19	8	7	262	4	3	5	4
TDS	N/A	N/A	991	1005	972	928	1550	796	743	1045	1144
Dissolved Organic Carbon	N/A	N/A	13.1	13.4	13.5	12.9	207	14.8	12.1	16.1	18.5
COD	N/A	N/A	73	62	63	56	644	40	38	76	78
Chloride	N/A	N/A	176	199	198	127	27.5	107	106	138	202
Ammonia (N) - Total	N/A	1.11	17.6	17.6	16.9	14.1	10	9.71	10.5	20.9	26.6
Fluoride	10	N/A	0.2	0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1	< 0.1
Phenolic, 4AAP	1	0.001	0.012	<0.002	< 0.002	< 0.002	0.14	< 0.002	< 0.002	< 0.002	< 0.002
Sulphate	N/A	N/A	45	48	48	139	10	38	34	33	22
Nitrite	N/A	N/A	<0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate	N/A	N/A	0.08	0.15	0.18	0.16	< 0.05	0.42	0.32	< 0.05	< 0.05
Kjeldahl Nitrogen - Total	50	N/A	19.7	20.5	20.8	17.6	104	10.9	10.5	25.2	30.7
Aluminum - Total	50	0.075*	0.27	0.12	0.12	0.68	0.13	0.1	0.08	0.15	0.1
Antimony - Total	5	0.02	<0.0005	<0.0001	< 0.0005	0.0006	0.0022	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Arsenic - Total	1	0.1	0.0024	0.0013	0.0008	0.0013	0.0107	0.0013	0.0009	0.0026	0.0012
Barium	N/A	N/A	0.331	0.297	0.253	0.245	0.362	0.211	0.159	0.394	0.382
Beryllium	N/A	1.1**	<0.002	<0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Boron	N/A	0.2	0.382	0.426	0.37	0.299	2.95	0.281	0.278	0.509	0.54
Cadmium - Total	0.7	0.0002	<0.00007	<0.000015	< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070	< 0.000070
Calcium	N/A	N/A	179	175	160	211	273	184	154	184	186
Chromium - Total	2.8	0.0099	0.017	0.011	0.012	0.161	0.013	0.004	0.001	0.013	< 0.001
Cobalt - Total	5	0.0009	0.0013	0.007	0.0013	0.0025	0.0052	0.0009	0.0011	0.0015	0.001
Copper - Total	2	0.005	0.0042	0.0011	0.0011	0.0062	0.011	0.001	0.0015	0.0021	< 0.0005
Iron	N/A	0.3	27.7	11	5.64	21	7.96	20.9	10.8	45.5	14.4
Lead - Total	1	0.005	0.0025	0.00012	0.0002	0.0016	0.0016	0.0004	0.0001	0.0005	< 0.0001
Magnesium	N/A	N/A	35.3	38.6	35.1	30.6	59.1	23.6	21.9	40.9	44.8
Manganese - Total	5	N/A	0.45	0.363	0.355	0.618	0.63	0.439	0.35	0.447	0.379
Mercury - Total	0.01	0.0002	<0.00002	<0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Molybdenum - Total	5	0.04	<0.0005	0.0002	< 0.0005	0.0022	0.0009	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Nickel - Total	2	0.025	0.01	0.01	0.01	0.07	0.03	< 0.01	< 0.01	0.01	< 0.01
Potassium	N/A	N/A	18.1	21.3	19.1	14.5	139	11.7	10.8	24	27.4
Phosphorus	N/A	N/A	<0.1	<0.1	< 0.1	0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1
Phosphorus - Total	10	0.01	0.05	0.03	0.03	0.1	0.29	0.05	0.02	0.05	0.03
Selenium - Total	1	0.1	<0.005	<0.0001	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver - Total	0.4	0.0001	<0.0001	<0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sodium	N/A	N/A	121	136	123	97.6	257	81.6	73	136	149
Strontium	N/A	10 bq/L	0.64 mg/L	0.715 mg/L	0.622	0.678	1.35	0.572	0.515	0.774	0.732
Thallium	N/A	0.0003	<0.0003	<0.00005	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Vanadium	N/A	0.006	0.0018	0.0009	0.0008	0.0025	0.0074	0.0009	0.0005	0.0018	0.0007
Zinc - Total	2	0.03	0.023	0.009	0.03	0.035	0.034	0.009	< 0.005	0.006	< 0.005
Benzene	0.01	0.1	0.0023	0.0007	0.0006	< 0.5	0.0007	< 0.0005	<0.0016	0.0006	< 0.0005
Toluene	0.02	0.0008	<0.0005	<0.0005	<0.0005	< 0.0005	0.0126	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.06	0.008	0.0027	<0.0005	<0.0005	< 0.0005	0.0006	< 0.0005	<0.0011	< 0.0005	< 0.0005
Xylene, m, p -	N/A	N/A	0.0042	<0.001	<0.001	< 0.001	0.0012	<0.001	<0.0011	<0.001	<0.001
Xylene, o -	N/A	0.04	0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005
Xylene, m, p, o -	N/A	N/A	0.0042	<0.0011	<0.0011	<0.0011	0.0018	<0.0011	<0.0011	<0.0011	<0.0011

Parameters	Limits	Provincial Water Quality Objectives	Jan. Results	Feb. Results	Mar. Results	April. Results	Apr. Results New Cell	May. Results	June. Results	July. Results	Aug. Results
pH (at 25 °C)	6.0 - 9.5	6.5 - 8.5	7.34	7.68	7.6	7.34	7.74	7.13	7.35	6.95	7.4
Conductivity (at 25 °C)	N/A	N/A	1750 µm ho/cm	1780 µm ho/cm	1790 µmho/cm	1590 µmho/cm	3490 µmho/cm	1370 µmho/cm	1350 µmho/cm	1860 µmho/cm	2000 µmho/cm
Conductivity (calculated)	N/A	N/A	1650 µm ho/cm	1720 µm ho/cm	1664 µmho/cm	1563 µmho/cm	2403 µmho/cm	1344 µmho/cm	1267 µmho/cm	1692 µmho/cm	1928 µmho/cm
Anion Sum	N/A	N/A	18.1 meq/L	18.5 meq/L	18.6 meq/L	16.1 meq/L	26.4 meq/L	14.4 meq/L	14.3 meq/L	18.4 meq/L	21.6 meq/L
Cation Sum	N/A	N/A	20.3 meq/L	20.2 meq/L	18.2 meq/L	18.7 meq/L	34.4 meq/L	16.8 meq/L	14.3 meq/L	23 meq/L	22.8 meq/L
% Difference	N/A	N/A	5.77%	4.51%	1.09%	7.29%	13.10%	7.78%	0.18%	11.00%	2.68%
Ion Ratio (AS/CS)	N/A	N/A	0.891	0.914	1.02	0.864	0.769	0.856	1	0.801	0.948
Sodium Adsorption Ratio	N/A	N/A	2.16	2.42	2.29	1.66	3.68	1.5	1.46	2.36	2.54
TDS (calc.) / EC (actual)	N/A	N/A	0.567	0.565	0.542	0.585	0.444	0.58	0.551	0.561	0.572
Langelier Index (at 25°C)	N/A	N/A	0.875	1.19	1.08	0.845	1.77	0.635	0.78	0.543	1.05