



**THE CORPORATION OF THE TOWN OF LASALLE
WATER AND WASTEWATER COMMITTEE MEETING
AGENDA**

Tuesday, March 13, 2018, 5:00 PM
Council Chambers, LaSalle Civic Centre, 5950 Malden Road

	Pages
A. Call to Order	
B. Disclosures of Pecuniary Interest and the General Nature Thereof	
C. Adoption of Minutes from Previous Meeting	
RECOMMENDATION That the minutes of the meeting of the Water and Wastewater Committee dated January 23, 2018 BE ADOPTED as presented.	
D. Business Arising from the Minutes	
1. SUMMARY REPORT FOR 2017	2
RECOMMENDATION That the report of the Manager of Water/Wastewater dated March 7, 2018 (PW-WWC-02-18) regarding the summary of report for 2017 as per Schedule 22 of the Ontario Regulation 170/03 requirement for LaSalle Water Distribution System BE RECEIVED.	
2. WATERMAIN BREAKS SUMMARY	6
RECOMMENDATION That the report of the Manager of Water/Wastewater dated March 7, 2018 (PW-WWC-03-18) regarding the watermain breaks summary BE RECEIVED.	
E. New Business	
F. Next Meeting	
The next Water and Wastewater Committee Meeting will be held on Tuesday May 22, 2018	
G. Adjournment	



The Corporation of the Town of LaSalle

Date	March 7, 2018	Report No:	PW-WWC-02-18
Directed To:	Water/Wastewater Committee	Attachments:	
Department:	Public Works	Policy References:	
Prepared By:	Lena Petros C.E.T. – Manager of Water/Wastewater		
Subject:	Summary Report for 2017		

RECOMMENDATION:

That the committee and Municipal Council to receive the Summary Report for 2017 as per Schedule 22 of the Ontario Regulation 170/03 requirement for LaSalle Water Distribution System.

REPORT:

Schedule 1 – Treatment Equipment

The Town of LaSalle Water Distribution System receives its treated water from Enwin Utilities. It has a schedule in which to flush water mains in areas of concern to maintain secondary disinfection. Flushing is done by water staff and automatic water flushers installed in various locations of concern. Areas are flushed until we have measured over 0.20 milligrams per liter chlorine residual and not less than 0.05 milligrams per liter.

Schedule 6 – Operational Checks, Sampling & Testing – General.

This schedule outlines the frequency of sampling, the requirements for chlorine residuals, testing to be carried out at the time the microbiological samples are collected, and the location at which samples are collected and form of sampling to be undertaken.

Also, this schedule outlines how samples are handled, recorded, stipulates the proper containers which are to be provided by the accredited laboratory, labeling of containers, and the time period needed for delivery of samples.

This section of the regulation was successfully complied with for the year 2017.

Schedule 7 – Operational Checks

7.3 - Seven (7) samples of free chlorine residuals are to be taken each week at different locations.

7.5 (1) - This schedule requires the owner of a drinking water system and the operating authority for the system shall ensure that every test required by this schedule is conducted by a certified operator or a water quality analyst.

Total of 1371 Chlorine Residual samples were collected in 2017 by our certified operators.

This section of the regulation was successfully complied with for the year 2017.

Schedule 10. - Microbiological Sampling and Testing

This schedule provides the requirements for sampling & testing of microbiological parameters the number of samples to be taken each month. In this schedule it states if the system serves 100,000 people or less, at least eight distribution samples plus one additional sample for every 1,000 people served by the system, are taken every month with at least one of the samples being taken in each week. Each of these samples are to be tested for Escherichia Coli and Total Coliform and at least 25% of the samples required to be taken under subsection one (1) are tested for general bacteria population expressed as colony counts on a heterotrophic plate count. LaSalle water operators collected at least 40 samples per month, with at least one of the samples taken weekly and tested for Escherichia Coli, Total Coliform, & H.P.C. samples are taken to Caduceon Laboratories which is an accredited lab within the required timeframe.

Total of 500 Escherichia Coli, total Coliform and 157 H.P.C. samples were collected in 2017.

Schedule 13. - Chemical Sampling & Testing

Trihalomethane

13(6) The owner of a drinking water system that provides chlorination shall ensure that at least one distribution sample is taken every three (3) months, from a point in the drinking water system that is likely to have an elevated potential for the formation of trihalomethanes. Consecutive THM samples were collected on Jan 16 2017, Apr 18 2017, Jul 17 2017 and Nov 21 2017 with an average value of 18.4 µg/L.

Schedule 15.1 – Lead

The system is exempt from plumbing and distribution lead sampling. However, 8 distribution samples were collected and tested for Alkalinity (79-88 mg/L as CaCO₃) and pH (7.0-7.37).

Schedule 16. Reporting Adverse Test Results and Other Problems

If a sample collected and tested indicates an adverse result as outlined in the regulations, the owner of a drinking water system must report the result to the Medical Officer of Health and the MOE Spills Action Center. If an observation, other than an adverse test results indicates that a drinking water system is directing water that may not be adequately disinfected to users of the water system, the observation must be reported to the Medical Officer of Health and the Spills Action Center of the MOE.

If a report is required under this section, an immediate report must be provided to a medical officer of health by speaking directly to a person at the Medical Officer of Health office or a person designated to be on call. In addition, an immediate report must be provided to the Ministry of the Environment by contacting the Ministry's Spills Action Center.

These verbal reports of adverse water conditions must be verified by written notice within 24 hours to the Medical Officer of Health and the Ministry of Environment specifying the nature of the adverse results, actions being taken or observation and what corrective action is being taken.

Within seven days of resolution of a problem, a follow up written notice is to be provided outlining the resolution that gave rise to the adverse result report.

Total of 2 adverse samples were reported. These were resolved by flushing and re-sampling the water.

Schedule 17. Corrective Action

This schedule outlines required corrective action to be followed with the determination of an adverse water result requiring notification.

In all cases the required action was followed as directed by the Medical Officer of Health.

Schedule 22. Summary Reports for Municipalities

The owner of a drinking water system shall ensure that, not later than March 31st of each year a report is prepared in accordance with subsections (2) and (3) for the preceding calendar year and is given to the Municipal Council. The report to include a summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.

1) Total Town Consumption for the year based on Enwin Utilities Sales = 3,270,594 m³

January	253,194
February	220,085
March	247,889
April	231,128
May	269,253
June	353,032
July	399,443
August	395,340
September	191,937
October	275,437
November	225,941
December	207,915

2) Monthly Average = 272,549.50 m³

3) Maximum Daily Flow = unavailable

Respectfully Submitted

Lena Petros, C.E.T.
Manager of Water/Wastewater



Reviewed by:

✓ CAO L	Treasury	Clerks	Public Works PM	Planning	Cult. & Rec	Building	Fire
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The Corporation of the Town of LaSalle

Date	March 7, 2018	Report No:	PW-WWC-03-18
Directed To:	Water/Wastewater Committee	Attachments:	
Department:	Public Works	Policy References:	
Prepared By:	Lena Petros C.E.T. – Manager of Water/Wastewater		
Subject:	Watermain Breaks Summary		

RECOMMENDATION:

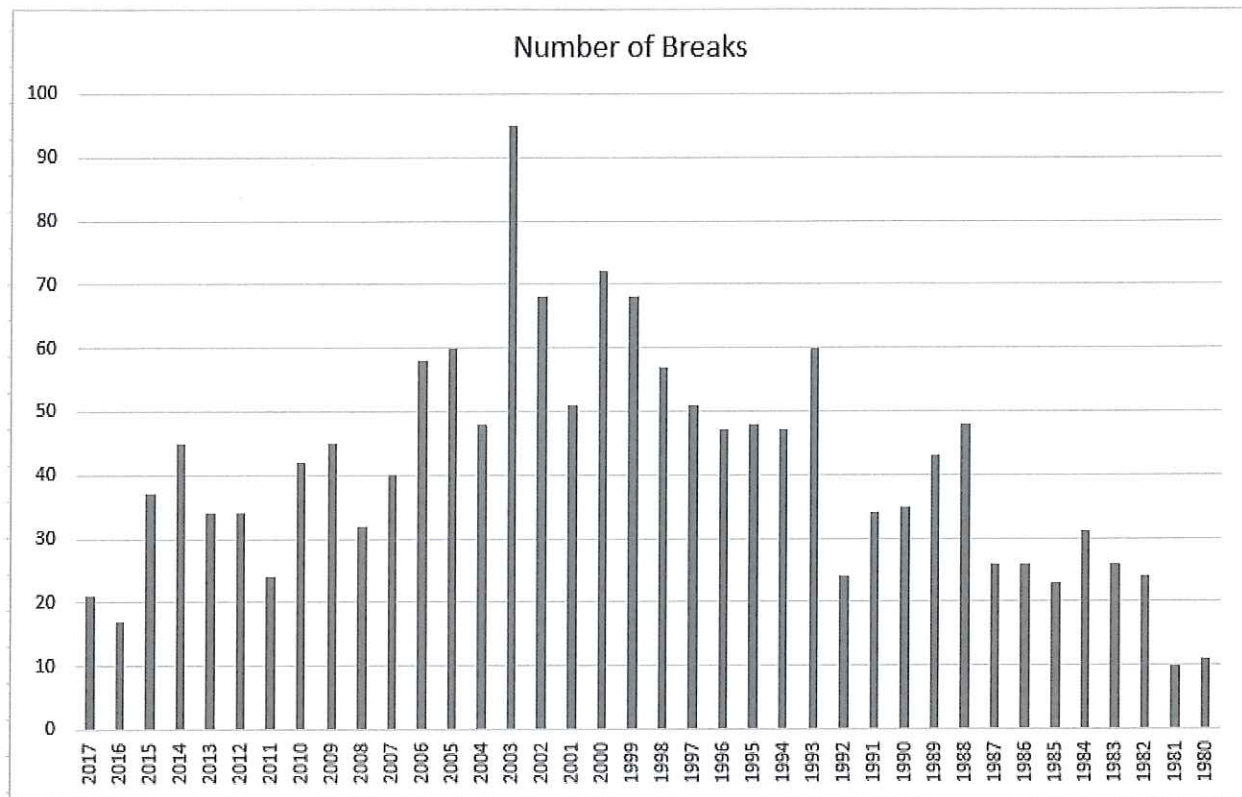
That the committee receive this report for information.

REPORT:

This report is prepared in response to a Council question.

The following table illustrates number of watermain breaks for the calendar years of 1980-2017.

Year	Number of Breaks	Year	Number of Breaks
2017	21	1998	57
2016	17	1997	51
2015	37	1996	47
2014	45	1995	48
2013	34	1994	47
2012	34	1993	60
2011	24	1992	24
2010	42	1991	34
2009	45	1990	35
2008	32	1989	43
2007	40	1988	48
2006	58	1987	26
2005	60	1986	26
2004	48	1985	23
2003	95	1984	31
2002	68	1983	26
2001	51	1982	24
2000	72	1981	10
1999	68	1980	11



WATERMAIN BREAK SUMMARY 2016			
	Date	Address	
1	January 9, 2016	485	MAYFAIR
2	January 12, 2016	1570	REAUME RD
3	January 25, 2016	1570	REAUME RD
4	January 28, 2016	1420	STUART
5	January 29, 2016	1342	REAUME RD
6	February 24, 2016	5736	CANADA
7	March 10, 2016	1790	BOUFFARD RD
8	July 21, 2016	2125	CANARD DR
9	July 22, 2016	720	REAUME RD
10	August 23, 2016	702	MAPLE
11	November 24, 2016	4645	HURON CHURCH
12	November 29, 2016	4725	HURON CHURCH
13	December 5, 2016	4645	HURON CHURCH
14	December 9, 2016	4685	HURON CHURCH
15	December 11, 2016	1082	REAUME RD
16	December 23, 2016	3000	FRONT RD
17	December 29, 2016	6085	SHORT DISPUTED

WATERMAIN BREAK SUMMARY 2017			
	Date	Address	
1	January 5, 2017	4688	MONTGOMERY DR
2	February 4, 2017	1799	BOUFFARD RD
3	February 9, 2017	2757	FRONT RD
4	February 20, 2017	2825	FRONT RD
5	March 14, 2017	1698	MAPLE AVE
6	April 5, 2017	1417	REAUME RD
7	April 26, 2017	9025	MALDEN RD
8	May 21, 2017	2858	FRONT RD
9	June 24, 2017	1555	BOUFFARD RD
10	July 10, 2017	220	WILLOW DR
11	August 22, 2017	2195	CANARD DR
12	August 22, 2017	2114	CANARD DR
13	September 20, 2017	2724	FRONT RD
14	October 18, 2017	5848	DELMAR
15	October 26, 2017	2822	FRONT RD
16	November 19, 2017	2822	FRONT RD
17	November 24, 2017	540	LAFFERTY
18	November 29, 2017	1630	NORMANDY
19	December 7, 2017	2065	SUZANNE
20	December 18, 2017	5805	OXLEY
21	December 20, 2017	6505	REAUME RD

WATERMAIN BREAK SUMMARY 2018			
	Date	Address	
1	January 4, 2018	730	LAURIER
2	January 10, 2018	6735	MATCHETTE
3	January 6, 2018	1240	GROSVENER DR
4	January 6, 2018	1220	GROSVENER DR
5	January 15, 2018	243	KENWOOD
6	January 21, 2018	1150	EASTBOURNE
7	January 25, 2018	1060	REAUME RD
8	January 27, 2018		HINDE
9	February 20, 2018	2502	FRONT RD
10	February 21, 2018	2502	FRONT RD

Based on mainbreaks, we continuously review capital works to reduce break instances. Based on what has occurred so far in 2018 does not raise concerns at this time.

Respectfully submitted,



Lena Petros, CET.
Manager of Water and Wastewater

Reviewed by:							
<input checked="" type="checkbox"/> CAO	Treasury	Clerks	Public Works	Planning	Cult. & Rec.	Building	Fire
