



February 22, 2017

**Ms. Mary McCuaig, CAO/Clerk**  
The Corporation of the Nation Municipality  
958 Hwy # 500 West, R.R. # 3  
Casselman, ON  
K0A 1M0

**Subject: Summary and Annual Report for the Limoges Drinking Water System.**

Dear Ms. McCuaig:

The following document includes the Summary Report for the Limoges Drinking Water System, covering the period from January 1<sup>st</sup> to December 31<sup>st</sup> 2016. The Summary Report is completed in accordance with O.Reg 170/03 Schedule 22 under the Safe Drinking Water Act, which requires for it to be completed by February 28 of the following year.

The Summary Report includes a summary of the quantities and flow rates of the water supplied during the period covered including monthly average and maximum daily flow and a comparison of the summary to the rated capacity of the system.

It is to be distributed among the members of the municipal council and the board of directors of the Nation Corporation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Luc Airoidi".

Luc Airoidi  
Project Manager

cc: Desmond Verasammy, Team Aquatic  
Marc Legault, Director of Public Works, The Nation Municipality



# **The Nation Municipality**

## **Report for Limoges Drinking Water System**

### **2016 Summary and Annual report**

Date : February 2017

N/Réf. : 058-P-0001826-027-EX-R-2016-00



## Summary Report for the Limoges Drinking Water System

### Background

O. Reg. 170/03 Schedule 22 Summary Reports for Municipalities applies for small and large municipal residential systems. The Limoges Drinking Water System is considered to be a large municipal residential system as it is a “municipal drinking water system that serves a major residential development and serves more than 100 private residences” as defined in Section 1 of O.Reg.170/03.

The summary report must be prepared by February 28 of the following year and must be given to:

- in the case of a drinking water system owned by a municipality, the members of the municipal council;
- in the case of a drinking water system owned by a municipal service board established under section 195 of the *Municipal Act, 2001*, the members of the municipal service board; or
- in the case of a drinking water system owned by a corporation, the board of directors of the corporation.

The Summary Report must:

- list the requirements of the Act, the regulations, the system’s approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and
- for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure
- 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.
- A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system’s approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement.

## Content

The following table lists the requirements that the system failed to meet and the measures taken to correct the failures.

Drinking Water Legislation and	Requirements the system failed to meet	Duration of the failure	Corrective measures taken	Status
Safe Drinking Water Act, 2002	None	N/A	N/A	N/A
Ontario Regulations: O.Reg. 128/04 O.Reg. 169/03 O.Reg. 170/03	None	N/A	N/A	N/A
Systems approval: Certificate of Approval	None	N/A	N/A	N/A
Drinking Water Works Permit under O.Reg 188/03	None	N/A	N/A	N/A
Municipal Drinking Water Licence under O.Reg 188/03	None	N/A	N/A	N/A
Provincial Officer's Order	None	N/A	N/A	N/A

Comparison:

During 2016 year, the maximum daily flow of 2 004 m<sup>3</sup>/d occurred during the month of May and represented 96.3 % of the rated capacity of the Limoges Water Treatment Plant which is 2080 m<sup>3</sup>/d.

The maximum daily flow from wells of 1444 L/Min (24.1 L/sec or 2080 m<sup>3</sup>/d) as per the Permit to Take Water number 1106-968LAR dated April 12<sup>th</sup> 2013. The maximum daily flow of 2021 m<sup>3</sup>/d, which occurred in June, represented 77.5% of the rated capacity of the Limoges Water Treatment plant wells.

The average daily distribution flow during the 2016 year was 982 m<sup>3</sup>/d in which represents an increase of 9,1% consumption compared to the Year 2015 where the daily distribution average was 900 m<sup>3</sup>/d.

## 2016 Summary Report Limoges Water Taking

**Municipality:** Village of Limoges and Forest Park in the Nation Township

**Facility:** Limoges Water Treatment Plant and Distribution System

**Works:** 260006841 - Limoges Water Treatment Plant and Water Distribution System

**Classification:** Class 1 Water Distribution

**Water Source:** Ground Water

**Permit Number:** 03-P-4045

**Period:** 2016-01-01 to 2016-12-31

**Total Designed Capacity (m3/day):** 2080  
**Rated Capacity (L/s) & (L/min) :** 24,0 1440,0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sum
<b>Well # 1</b>													
Total Hours of Taking	123,98	166,62	174,20	150,72	129,02	51,76	118,58	83,40	158,85	180,67	180,98	202,34	1 721,12
Total Amount of Taking (m <sup>3</sup> )	10 937	13 930	14 270	13 102	11 643	4 659	9 126	8 180	13 418	15 991	16 105	17 397	148 759
Average Daily Taking (m3)	684	480	460	452	466	358	608	682	497	516	537	561	525
% Rated Capacity (ave daily taking)	32,86	23,09	22,13	21,72	22,39	17,23	29,25	32,77	23,89	24,80	25,81	26,98	25,24
Max Daily Flow (m3)	1 138	885	844	979	964	889	1 025	1 754	854	893	902	1 003	1 754
% Rated Capacity (max daily flow)	54,71	42,53	40,60	47,07	46,34	42,74	49,28	84,33	41,08	42,92	43,34	48,21	84,33
Min Daily Flow (m3)	0	147	117	18	1	1	1	1	22	220	247	142	0
% Rated Capacity (max daily flow)	0,00	7,06	5,62	0,89	0,04	0,03	0,05	0,06	1,05	10,60	11,89	6,84	11,89
Average Daily Rate of Taking (L/s)	21,00	21,04	20,73	20,82	20,18	18,42	20,09	20,04	21,57	21,72	21,65	21,58	20,74
Peak Daily Rate of Taking (L/s)	23,66	28,22	26,62	28,03	26,50	23,92	27,46	25,52	26,67	26,82	27,13	26,75	28,22
% Peak Daily Rate of Taking (L/s)	98,58	117,58	110,92	116,79	110,42	99,67	114,42	106,33	111,13	111,75	113,04	111,46	117,58
Peak Daily Rate of Taking (L/min)	1 420	1 693	1 597	1 682	1 590	1 435	1 648	1 531	1 600	1 609	1 628	1 605	1 586,50
% Peak Daily Rate of Taking (L/min)	98,58	117,58	110,92	116,79	110,42	99,67	114,42	106,33	111,13	111,75	113,04	111,46	117,58
Well level (static & Dynamic)	7,22	7,31	7,92	8,86	8,34	7,38	6,75	6,30	6,12	6,49	5,90	6,02	7,05
Min Well level (Dynamic)	6,60	5,13	7,02	8,29	7,62	6,79	6,35	5,99	5,77	5,52	5,47	5,52	5,13
Max Well level (static)	7,52	7,57	8,67	9,25	8,88	7,82	7,07	6,61	6,34	6,58	6,13	6,36	9,25
<b>Well # 2</b>													
Total Hours of Taking	189,93	140,31	153,36	158,07	337,14	416,31	361,10	367,60	200,35	176,50	167,99	197,40	2 866,06
Total Amount of Taking (m <sup>3</sup> )	18 031	12 412	14 399	16 323	30 307	40 225	33 593	36 145	19 830	17 928	16 307	17 296	272 794
Average Daily Taking (m3)	820	443	464	544	978	1 341	1 083,00	1 291	661	578	544	558	775
% Rated Capacity (ave daily taking)	39,40	21,31	22,33	26,16	47,00	64,46	52,07	62,06	31,78	27,80	26,13	26,82	37,28
Max Daily Flow (m3)	1 215,77	1 040,79	900,63	925,81	2 021,64	1 949,58	1 725,75	1 943,65	1 338,99	850,14	914,43	1 072,75	2 021,64
% Rated Capacity (max daily flow)	58,45	50,04	43,30	44,51	97,19	93,73	82,97	93,44	64,37	40,87	43,96	51,57	97,19
Min Daily Flow (m3)	186	0	135	150	228	410	244	234	264	240	239	180	0,00
% Rated Capacity (max daily flow)	8,94	0,00	6,50	7,20	10,94	19,70	11,74	11,26	12,72	11,52	11,49	8,64	19,70
Average Daily Rate of Taking (L/s)	22,47	22,33	21,59	21,49	21,36	22,99	22,75	23,15	22,78	21,96	22,57	22,63	22,34
Peak Daily Rate of Taking (L/s)	25,60	24,90	25,53	25,70	24,28	24,24	24,03	25,04	24,99	24,12	24,40	24,46	25,70
% Peak Daily Rate of Taking (L/s)	106,67	103,75	106,38	107,08	101,17	101,00	100,13	104,33	104,13	100,50	101,67	101,92	107,08
Peak Daily Rate of Taking (L/min)	1 536	1 494	1 532	1 542	1 457	1 454	1 442	1 502	1 499	1 447	1 464	1 468	1 486
% Peak Daily Rate of Taking (L/min)	106,67	103,75	106,38	107,08	101,17	101,00	100,13	104,33	104,13	100,50	101,67	101,92	107,08
Well level Average (Static & Dynamic)	7,27	7,41	8,01	8,96	8,34	7,26	6,69	6,20	6,14	6,00	5,95	6,07	7,02
Min Well level (Dynamic)	6,87	6,85	7,16	8,34	7,45	6,72	6,33	5,89	5,85	5,64	5,54	5,64	5,54
Max Well level (static)	7,59	7,71	8,82	9,40	9,04	7,88	7,13	6,73	6,36	6,26	6,18	6,44	9,40
<b>Total Amount of Taking (m3)</b>													
Total Amount of Taking (m <sup>3</sup> )	28 968	26 342	28 669	29 425	41 950	44 884	42 719	44 326	33 248	33 918	32 412	34 692	421 553
Average Daily Taking (m3)	934	908	925	981	1 353	1 496	1 378	1 430	1 108	1 094	1 080	1 119	1 151

## 2016 Summary Report Limoges Water Distribution System

**Municipality:** Village of Limoges and Forest Park in the Nation Township

**Facility:** Limoges Water Treatment Plant and Distribution System

**Works:** 260006841 - Limoges Water Treatment Plant and Water Distribution System

**Classification:** Class 1 Water Distribution

**Water Source:** Ground Water

**Period:** 2016-01-01 to 2016-12-31

**Serviced Population:** 1300

**Total Designed Capacity (m3/day):** 2080

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sum
<b>DistributionSystem \ Flows</b>													
POE - Flows (m3/day)													
Avg.	787	765	775	831	1166	1277	1194	1197	952	937	931	968	982
Max	965	883	912	1133	2004	1779	1457	1625	1178	1039	1054	1156	2004
Min	687	684	699	719	824	905	912	882	864	835	852	883	684
Total	24389	22199	24022	24943	36144	38322	37019	37104	28563	29052	27919	30016	359693
Forest-Park booster - Flows (m3/day)													
Avg.	52	49	56	70	108	125	91	84	53	52	45	33	68
Max	91	191	189	265	294	238	161	182	88	100	108	114	294
Min	24	10	23	19	4	43	39	32	14	19	21	4	4
Total	1 395	1 423	1 726	1 408	3 339	3 738	2 826	2 618	1 437	1 260	1 300	990	23 458
<b>Distribution System \ Health - Chlorine Residuals POE</b>													
Minimum Total Cl <sub>2</sub> (mg/L)													
Avg.	1,93	1,94	2,08	1,97	1,98	1,90	1,98	1,96	1,88	1,80	1,94	1,84	1,80
Min	1,61	1,39	1,46	1,57	1,55	1,11	0,39	1,48	1,10	1,36	1,28	1,14	0,39
Maximum Total Cl <sub>2</sub> (mg/L)													
Avg.	2,28	2,36	2,47	2,40	2,42	2,39	2,51	2,44	2,24	2,02	2,16	2,01	2,51
Max	2,77	2,82	2,87	2,75	2,97	2,87	2,93	2,91	2,61	2,14	2,46	2,20	2,97
Minimum Free Cl <sub>2</sub> (mg/L)													
Avg.	0,07	0,07	0,09	0,09	0,09	0,09	0,09	0,11	0,13	0,13	0,09	0,09	0,07
Min	0,03	0,05	0,06	0,07	0,06	0,07	0,05	0,09	0,10	0,09	0,03	0,06	0,03
Maximum Free Cl <sub>2</sub> (mg/L)													
Avg.	0,14	0,15	0,16	0,16	0,15	0,15	0,17	0,19	0,18	0,17	0,15	0,14	0,19
Max	0,20	0,18	0,20	0,23	0,23	0,32	0,27	0,29	0,31	0,27	0,20	0,16	0,32
Minimum Combined Cl <sub>2</sub> (mg/L)													
Avg.	1,77	1,82	1,96	1,84	1,85	1,77	1,85	1,78	1,74	1,66	1,81	1,73	1,66
Min	1,19	1,28	1,35	1,44	1,32	0,98	0,30	1,29	1,00	1,22	1,17	1,11	0,30
Maximum Combined Cl <sub>2</sub> (mg/L)													
Avg.	2,19	2,25	2,36	2,31	2,30	2,28	2,38	2,29	2,10	1,88	2,03	1,89	2,38
Max	2,68	2,71	2,74	2,91	2,85	2,74	2,88	2,80	2,55	2,00	2,23	2,08	2,91
Mean Combined Cl <sub>2</sub> (mg/L)													
Avg.	1,91	1,98	2,09	2,03	2,01	2,07	2,11	1,95	1,91	1,79	1,97	1,87	1,97



OPTIONAL ANNUAL REPORT TEMPLATE

<b>Drinking-Water System Number:</b>	260006841
<b>Drinking-Water System Name:</b>	Limoges Water Treatment Plant
<b>Drinking-Water System Owner:</b>	The Corporation of the Nation Municipality
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1 <sup>st</sup> to December 31 <sup>st</sup> 2016

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ X ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ X] No [ ]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Municipal Office The Corporation of the Nation Municipality 958 Hwy 500 W, RR # 3 Cassleman, ON, K0A1M0</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; padding: 2px; display: inline-block;">N/A</div></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; padding: 2px; display: inline-block;">N/A</div></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</p>
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**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Le Baron Estate	N/A

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?  
Yes [X] No [ ]





Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

The Limoges water treatment plant is a ground water facility, service the Village of Limoges, the Community of Forest Park, Le Baron Estate and the Ben Tardif Trailer Park. The facility is rated at 2,080 m3/day and includes; two raw water production wells, two low lift pumps, two detention tanks, two clarifier/green sand filters, one clearwell (160 m3 capacity), one elevated water reservoir (1734 m3 capacity) and chemical feed systems.

The Chemical feed systems consist of chemical pumps, storage tanks, piping and associated appurtenances to dose potassium permanganate (primary and secondary doses), Alum, Polyelectrolyte, Sodium Hypochlorite and Ammonium Sulphate.

This facility operates under the Certificate of Approval number 7364 – 6SYKG8 and Permit to Take Water number 03-P-4045.

**List all water treatment chemicals used over this reporting period**

Potassium Permanganate, PAX-XL6, Polyelectrolyte, Sodium Hypochlorite, Ammonium Sulphate

**Were any significant expenses incurred to?**

- Install required equipment
- Repair required equipment
- Replace required equipment

**Please provide a brief description and a breakdown of monetary expenses incurred**

- Replacement of valve	25 000\$
- Repaired booster pump WTP	3 000\$
- Inspect and Repair of fire hydrants	3 000\$
- Inspect generator (3)	4 500\$
- Calibration of flow meter	2 000\$
- Replacement pump well # 2	4 700\$



Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
None					

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.**

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw Well # 1	52	0 - 0	0 - <2	N/A	N/A
Raw Well # 2	52	0 - 0	0 - <2	N/A	N/A
Treated	52	0 - 0	0 - 0	52	<2 - 40
Distribution	156	0 - 0	0 - 0	52	<2 - 12

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity (Raw W1)	24	1.05 – 9.7
Turbidity (Raw W2)	24	1.06 – 3.82
Chlorine Combined Dist. Syst.	8760	0.30 – 2.91 *

*NOTE: For continuous monitors use 8760 as the number of samples.*

*NOTE: Record the unit of measure if it is not milligrams per liter.  
\*Average per day of combine chlorine in distribution syst. : min. 1.66 – max. 2.38 mg/l*

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	13/04/2016	<0.0001	mg/l	No
Arsenic	13/04/2016	<0.0001	mg/l	No
Barium	13/07/2016	0.597	mg/l	Half Mac
Boron	13/04/2016	0.045	mg/l	No
Cadmium	13/04/2016	<0.00002	mg/l	No
Chromium	13/04/2016	<0.002	mg/l	No
Fluoride	03/04/2014	0.2	mg/l	No
Mercury	13/04/2016	0.00002	mg/l	No
Selenium	13/04/2016	<0.001	mg/l	No
Sodium	11/11/2014	33.2	mg/l	Yes
Uranium	13/04/2016	<0.00005	mg/l	No
Nitrite	04/10/2016	<0.1	mg/l	No
Nitrate	04/10/2016	0.3	mg/l	No

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

#### Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing			N/A
Distribution	1	0.00004-0.0004	No
Alcalinity	1	226-226 mg/l	N/A
pH	1	8.08- 8.08	No

#### Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	19/04/16	<0.03	µg/L	No
Aldicarb	14/04/15	<0.3	µg/L	No
Aldrin + Dieldrin	13/04/15	<0.02	µg/L	No
Atrazine + N-dealkylated metabolites	19/04/16	<0.5	µg/L	No
Azinphos-methyl	19/04/16	<1	µg/L	No
Bendiocarb	13/04/15	<3	µg/L	No
Benzene	12/04/16	<0.5	µg/L	No
Benzo(a)pyrene	19/04/16	<0.005	µg/L	No
Bromoxynil	19/04/16	<0.3	µg/L	No
Carbaryl	19/04/16	<3	µg/L	No



Carbofuran	19/04/16	<1	µg/L	No
Carbon Tetrachloride	12/04/16	<0.2	µg/L	No
Chlordane (Total)	14/04/15	<0.04	µg/L	No
Chlorpyrifos	19/04/16	<0.5	µg/L	No
Cyanazine	13/04/15	<0.5	µg/L	No
Diazinon	19/04/16	<1	µg/L	No
Dicamba	19/04/16	<5	µg/L	No
1,2-Dichlorobenzene	12/04/16	<0.1	µg/L	No
1,4-Dichlorobenzene	12/04/16	<0.2	µg/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	13/04/15	<0.01	µg/L	No
1,2-Dichloroethane	12/04/16	<0.1	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	12/04/16	<0.1	µg/L	No
Dichloromethane	12/04/16	<0.3	µg/L	No
2-4 Dichlorophenol	19/04/16	<0.1	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	19/04/16	<5	µg/L	No
Diclofop-methyl	19/04/16	<0.5	µg/L	No
Dimethoate	19/04/16	<1	µg/L	No
Dinoseb	13/04/15	<0.5	µg/L	No
Diquat	02/05/16	<5	µg/L	No
Diuron	19/04/16	<5	µg/L	No
Glyphosate	02/05/16	<25	µg/L	No
Heptachlor + Heptachlor Epoxide	14/04/15	<0.1	µg/L	No
Lindane (Total)	14/04/15	<0.1	µg/L	No
Malathion	19/04/16	<5	µg/L	No
Methoxychlor	14/04/15	<0.1	µg/L	No
Metolachlor	19/04/16	<3	µg/L	No
Metribuzin	19/04/16	<3	µg/L	No
Monochlorobenzene	12/04/16	<0.2	µg/L	No
Paraquat	19/04/16	<1	µg/L	No
Parathion	13/04/15	<3	µg/L	No
Pentachlorophenol	19/04/16	<0.1	µg/L	No
Phorate	19/04/16	<0.3	µg/L	No
Picloram	19/04/16	<5	µg/L	No
Polychlorinated Biphenyls(PCB)	19/04/16	<0.05	µg/L	No
Prometryne	19/04/16	<0.1	µg/L	No
Simazine	19/04/16	<0.0005	µg/L	No
THM (NOTE: show latest annual average)	quarterly y 2016	29.03	µg/L	No
Temephos	13/04/15	<10	µg/L	No
Terbufos	19/04/16	<0.3	µg/L	No
Tetrachloroethylene	12/04/16	<0.2	µg/L	No
2,3,4,6-Tetrachlorophenol	19/04/16	<0.1	µg/L	No
Triallate	19/04/16	<10	µg/L	No



Trichloroethylene	12/04/16	<0.1	µg/L	No
2,4,6-Trichlorophenol	19/04/16	<0.1	µg/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	13/04/15	<10	µg/L	No
Trifluralin	19/04/16	<0.5	µg/L	No
Vinyl Chloride	12/04/16	<0.2	µg/L	No
Total Organic Carbon	08/04/15	4.8	Mg/l	No
Dissolved Organic Carbon	08/04/15	4.7	Mg/l	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
Barium	0.597	mg/l	12/07/2016
Sodium	33.2	mg/l	11/11/2014