

January 20th, 2021

Mr. Jean-François Durocher Water Inspector Drinking Water and Environmental Compliance Division Ministry of the Environment, Conservation and Parks

### Subject:

# 2020 - Annual Report for the Limoges Drinking Water System

#### Dear Mr Durocher:

Please see attached, the summary report for the Limoges Drinking Water System that covers the period from January 1<sup>st</sup>, 2020 to December 31, 2020.

This summary report has been completed in accordance with O. Reg. 170/03 Schedule 22 under the Safe Drinking Water Act. The target due date for this report is March 31st, 2021.

This summary report includes quantities and flow rates of the water supplied to consumers serviced by the Limoges Drinking Water System, including monthly averages; and a comparison to the rated water supply capacity of the system.

This report is also distributed to the Members of the Municipal Council and the Executive committee from the Nation Municipality.

Sincerely,

Nicholas Pigeon, CET

O.I.C. Water and Wastewater

Doug Renaud,

Director of Water & Wastewater

Desmond Verasammy, CET

Overall Responsible Operator

# In the preparation of this summary Report, we have complied with the following requirements:

- List the requirements of the Act, the Regulations, the Systems Approval, Drinking Water Works Permit, Municipal Drinking Water License, and any orders applicable to the system that were not met at any time during the period covered by the report;
- For each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measurements 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 approval, drinking water works permit, or municipal drinking water license, 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.

## Comparison:

During the period of January 1, 2020 to December 31, 2020:

- The maximum daily flow to the distribution system was 1591 m³/day. This occurred in May, and it represented 76% of the rated capacity of 2080 m³/day.
- The maximum daily flow from the wells was 1921 m<sup>3</sup>/day. This occurred in June, and it represented 92% of the rated capacity. In accordance with our PTTW # 1106-968LAR, the maximum rated flow from the wells is 24.1 L/sec or 2080 m<sup>3</sup>/day.
- The average daily distribution flow was 961 m<sup>3</sup>/day.



# **Drinking - Water Systems Regulation O. Reg.170/03**

# **System Information**

Drinking Water System Name:	Limoges Water Treatment Plant	
Drinking Water System Number:	260006841	
Drinking Water System Owner:	The Corporation of the Nation Municipality	
Operathing Authority:	The Nation Municipality	
Drinking Water System Category:	Large Municipal Residential	
Period being reported:	Jan. 1 to Dec. 31, 2020	

Does your Drinking-Water System serve more than 10 000 people?	
Yes ( ) No ( X )	
Is your annual report available to the public at no charge on a web sit	a on the internet?
, , ,	e on the internet:
Yes ( X ) No ( )	

Summary Report (170/03 Schedule 22) will be available for inspection at:

# Municipal Office The Corporation of the Nation municipality 958 Route 500 West Casselman, ON K0A1M0

List all Drinking-Water System, 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 ( )

Limoges Drinking Water System Ontario Regulation 170/03, Section 11 Annual Report 2020

Indicate how v	ou notified s	vstem users that v	vour annual re	enort is available	and is free of chai	rge
mulcate mow y	ou nounted s	yatemi uaera tiiat i	your ammuar re	cpuit is available,	, allu is lice di cilai	S.C

( X ) 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 another method

#### **Describe your Drinking Water System**

The Limoges water treatment plant was designed as a GUDI Treatment System. It is operated as a GUDI System; treating groundwater that has the potential of being influenced by surface water. The treatment uses a conventional process; chemically assisted filtration followed by disinfection. The plant has a rated capacity of 2080 m3/day; services the Village of Limoges, the Community of Forest Park, Le Baron Estate, and the Ben Tardif Trailer Park. Raw water is supplied from two production wells; delivered via a five km watermain into an aeration basin at the water treatment plant. Further treatment is achieved in sequence by chemical oxidation and a dual train chemically assisted filtration process. Primary disinfection is achieved by chlorination followed by chloramination for secondary disinfection. Treated water is stored in two onsite water storage towers and then pumped into the distribution system. All processes are fully automated and monitored using a SCADA System. Operators perform routine monitoring, and maintain operation and production records of the groundwater supply wells, the plant and treatment processes, and the distribution systems. The Operators also conduct water quality sampling and testing, and system maintenance.

The Chemical feed systems consist of chemical pumps, storage tanks, piping and associated appurtances to deliver treatment chemicals inluding potassium permanganate, Alum, Polyelectrolyte, Sodium Hypochlorite and Ammonium Sulphate.

List all water treatment chemicals used over this reporting period

List all water treatment chemicals used over this reporting period			
Chemical Name	Supplier		
Potassium Permanganate	Brenntag		
PAX-XL6	Kemira		
Polyelectrolyte	Northland Chemicals Inc.		
Sodium Hypochlorite	Brenntag		
Ammonium Sulfate	Brenntag		

Were any significant expenses incu	rred to?
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( ) Install required equipment

(X) Repair required equipment

( ) Replace required equipment

Limoges Drinking Water System Ontario Regulation 170/03, Section 11 Annual Report 2020

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

Water hauling - To supplement supply	\$ 45,200.00
Well #2 rehab and camera inspection	\$ 35,700.00
Calibration of Flow meter	\$ 600.00
Hydrant inspection & Flushing	\$ 4,500.00
Scada PLC upgrades	\$ 35,000.00
Replaced all 4 post KMN04 dosage pumps	\$ 14,600.00
Replaced flow meter in booster station	\$ 5,000.00
Replaced flow meter at well #1	\$ 4,500.00
Replaced both ammonia dosage pumps	\$ 7,300.00
Rehab of booster pump #1	\$ 3,600.00
Calibration of analyzers and instruments	\$ 1,025.00

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 Spill Action Centre.

Incident Date	Parameter	Result	Unit of Measure	<b>Corrective Action</b>	Corrective Action Date
2020-06-18	other observations : low pressure in distribution system caused by generator failure	<20	psi	flushed all dead ends of distribution system, took DPD test, took turbidity test, took 5 samples to lab, all negative.	2020-06-20

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 - 1	0 - 2	N/A	N/A
Raw Well # 2	51	0 - 0	0 - 0	N/A	N/A
Treated	52	0 - 0	0 - 0	52	0 - 80
Distribution	208	0 - 0	0 - 0	52	0 - 6

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

Annual Report.					
	Number of Grab				
	samples	Range of Results	For continuous monitors use 8760		
		(min#)-(max#)	as the number of samples.		
Turbidity (Raw W1)	26	(0.41) - (13.04)			
Turbidity (Raw W2)	26	(0,24) - (2.78)			
Chlorine Combined Dist. Syst,	8760	(0,66) - (2,58)			
Turbidity (Treated water)	8760	(0,04) - (1,43)			

<u>Note</u>: Record the unit of measure if it is not milligrams per liter. \*Average per day of combine chlorine in distribution system

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
N/A				

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

Parameter	Sample date	Result value (mg/L)	Limit (mg/L)	Exceedance
Antimony	28-Apr-20	<0.0001	0.006	No
Arsenic	28-Apr-20	<0.0001	0.01	No
Barium	2020 RAA	0.641	1	HalfMac
Boron	28-Apr-20	0.043	5	No
Cadmium	28-Apr-20	< 0.000015	0.005	No
Chromium	28-Apr-20	< 0.002	0.05	No
Fluoride	to be sampled in 2024		1.5	
Mercury	28-Apr-20	<0.00002	0.001	No
Selenium	28-Apr-20	< 0.001	0.05	No
Sodium	to be sampled in 2024		Health >20 reportable (Limit: 200)	
Uranium	28-Apr-20	< 0.00005	0.02	No
Nitrite	2020 RAA	<0.1	1	No
Nitrate	2020 RAA	0.3	10	No

Summary of Lead testing under Schedule 15.1 during this reporting period

Location Type	Number of samples	Limit	Range of Lead Results (mg/L) (min #) - (max #)		Number of Exceedance
Plumbing	N/A				N/A
Distribution	6	0.1 mg/L	< 0.00003	0.00077	No
Alkalinity	6		211	246	N/A
рН	6		(8.01 - 8.06) N		No

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

Alachlor 2020-04-28 0.3 0.0003 0.005 mg/L no Atrazine + N-dealkylated metobolites 2020-04-28 0.5 0.0005 0.005 mg/L no Azinphos-methyl 2020-04-28 1 0.0010 0.02 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.0001 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.0000 0.0001 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.0005 mg/L no Carbaryl 2020-04-28 3 0.003 0.009 mg/L no Carbaryl 2020-04-28 3 0.0030 0.009 mg/L no Carboryl 2020-04-28 1 0.0010 0.0001 mg/L no Carboryl 2020-04-28 0.5 0.0005 0.0005 mg/L no Carboryl 2020-04-28 0.5 0.0005 0.0005 mg/L no Carbor Tetrachloride 2020-04-28 0.5 0.0002 0.002 mg/L no Carbor Tetrachloride 2020-04-28 0.5 0.0005 0.009 mg/L no Carbor Tetrachloride 2020-04-28 0.5 0.0005 0.009 mg/L no Chlorypfiros 2020-04-28 1 0.0010 0.02 mg/L no Dicamba 2020-04-28 1 0.0010 0.02 mg/L no Dicamba 2020-04-28 1 0.0010 0.02 mg/L no Dicamba 2020-04-28 1 0.0010 0.12 mg/L no Dicamba 2020-04-28 0.5 0.0005 0.2 mg/L no Dicamba 2020-04-28 0.5 0.0005 0.205 mg/L no Dichlorobenzene 2020-04-28 0.5 0.0005 0.005 mg/L no Dichlorobenzene 2020-04-28 0.0 0.0005 0.005 mg/L no Dichlorobenzene 2020-04-28 0.0 0.0005 0.005 mg/L no Dichlorobenzene 2020-04-28 0.0 0.0005 0.05 mg/L no Dichlorobenzene 2020-04-28 0.0 0.0005 0.05 mg/L no Dichlorobenzene 2020-04-28 0.0 0.0005 0.05 mg/L no Dichlorobe	Parameter	Sample date		Conversion in	Limit ( mg/L )	Exceedance
Atrazine + N-dealkylated metobolites   2020-04-28   0.5   0.0005   0.005 mg/L   no   0.2 mg/	r ai ailletei	Sample date	(µg/L)	mg/L		
Azinphos-methyl 2020-04-28 1 0.0010 0.02 mg/L no Benzene 2020-04-28 0.5 0.0005 0.001 mg/L no Benzene 2020-04-28 0.5 0.0005 0.000mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.0000 0.0001 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.0005 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.005 mg/L no Benzo(a)pyrene 2020-04-28 3 0.0005 0.005 mg/L no Benzo(a)pyrene 2020-04-28 3 0.0003 0.09 mg/L no Benzo(a)pyrene 2020-04-28 1 0.0001 0.09 mg/L no Benzo(a)pyrene 2020-04-28 1 0.0001 0.09 mg/L no Benzo(a)pyrene 2020-04-28 0.2 0.0002 0.0002 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.09 mg/L no Benzo(a)pyrene 2020-04-28 1 0.0001 0.02 mg/L no Benzo(a)pyrene 2020-04-28 1 0.0010 0.02 mg/L no Benzo(a)pyrene 2020-04-28 1 0.0010 0.12 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.20 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.20 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.20 mg/L no Benzo(a)pyrene 2020-04-28 0.5 0.0005 0.005 mg/L no Benzo(a)pyrene 2020-04-28 0.9 0.0009 0.009 mg/L no Benzo(a)pyrene 2020-04-28 0.9 0.0009 0.009 mg/L no Benzo(a)pyrene 2020-04-28 0.9 0.0009 0.009 mg/L no Benzo(a)pyrene 2020-04-28 5 0.0050 0.15 mg/L no Benzo(a)pyrene 2020-04-28 5 0.0050 0.19 mg/L no Benzo(a)pyrene 2020-04-28 6 0.0050 0.005 mg/L no Benzo(a)pyrene 202	Alachlor	2020-04-28		0.0003		no
Senzene   2020-04-28   0.5   0.0005   0.001 mg/L   no	Atrazine + N-dealkylated metobolites	2020-04-28	0.5	0.0005		no
Senzo(a)pyrene   2020-04-28   0.005   0.0000   0.00011mg/L   no   Carbary    2020-04-28   0.5   0.0005   0.005 mg/L   no   Carbary    2020-04-28   3   0.0030   0.09 mg/L   no   Carboruran   2020-04-28   1   0.0010   0.09 mg/L   no   Carboruran   2020-04-28   0.2   0.0002   0.002 mg/L   no   Carboruran   2020-04-28   0.5   0.0005   0.09 mg/L   no   Chlorpyfiros   2020-04-28   1   0.0010   0.02 mg/L   no   Chlorpyfiros   2020-04-28   1   0.0010   0.02 mg/L   no   Chlorpyfiros   2020-04-28   1   0.0010   0.02 mg/L   no   Chlorpyfiros   2020-04-28   1   0.0010   0.12 mg/L   no   Chlorpyfiros   2020-04-28   1   0.0010   0.12 mg/L   no   Chlorpyfiros   2020-04-28   1   0.0010   0.12 mg/L   no   Chlorpyfiros   2020-04-28   0.5   0.0005   0.005 mg/L   no   Chlorpyfiros   2020-04-28   0.5   0.0005   0.05 mg/L   no   Chlorpyfiros   2020-04-28   0.5   0.0005   0.05 mg/L   no   Chlorpyfiros   2020-04-28   0.5   0.0005   0.009 mg/L   no   Chlorpyfiros   2020-04-28   0.5   0.000	Azinphos-methyl	2020-04-28	1	0.0010	0.02 mg/L	no
Description	Benzene	2020-04-28	0.5	0.0005	0.001 mg/L	no
Carbaryl         2020-04-28         3         0.0030         0.09 mg/L         no           Carbofuran         2020-04-28         1         0.0010         0.09 mg/L         no           Carbofuran         2020-04-28         0.2         0.0002         0.002 mg/L         no           Chloryfiros         2020-04-28         0.5         0.0005         0.09 mg/L         no           Diazinon         2020-04-28         1         0.0010         0.02 mg/L         no           Diazinon         2020-04-28         1         0.0010         0.22 mg/L         no           Dicamba         2020-04-28         1         0.0100         0.12 mg/L         no           1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.20 mg/L         no           1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,1-Dichlorobethylene (vinyldene chloride)         2020-04-28         0.5         0.0005         0.005 mg/L         no           2-4 Dichlorophenol         2020-04-28         5         0.0050         0.05 mg/L         no	Benzo(a)pyrene			0.0000		no
Carbofuran         2020-04-28         1         0.0010         0.09 mg/L         no           Carbon Tetrachloride         2020-04-28         0.2         0.0002         0.002 mg/L         no           Chloryyfiros         2020-04-28         0.5         0.0005         0.99 mg/L         no           Diazinon         2020-04-28         1         0.0010         0.02 mg/L         no           Diazinon         2020-04-28         1         0.0010         0.02 mg/L         no           Diazinon         2020-04-28         1         0.0010         0.02 mg/L         no           Dicamba         2020-04-28         1         0.0100         0.12 mg/L         no           1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,4-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,4-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,1-Dichlorobethylene (vinyldene chloride)         2020-04-28         0.5         0.0005         0.014 mg/L         no           1,1-Dichlorophenol         2020-04-28         5         0.0050         0.05 mg/L	Bromoxynil	2020-04-28	0.5	0.0005	•	no
Carbon Tetrachloride         2020-04-28         0.2         0.0002         0.002 mg/L         no           Chlorpyfiros         2020-04-28         0.5         0.0005         0.09 mg/L         no           Diazinon         2020-04-28         1         0.0010         0.02 mg/L         no           Dicamba         2020-04-28         10         0.0100         0.12 mg/L         no           1,4-Dichlorobenzene         2020-04-28         0.5         0.0005         0.2 mg/L         no           1,4-Dichlorobenzene         2020-04-28         0.5         0.0005         0.20 mg/L         no           1,2-Dichloroethane         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,1-Dichloroethylene (vinyldene chloride)         2020-04-28         0.5         0.0005         0.014 mg/L         no           1,1-Dichlorophenol         2020-04-28         5         0.0005         0.05 mg/L         no           2-4 Dichlorophenol         2020-04-28         0.1         0.0001         0.9 mgL         no           2-4 Dichlorophenoxy acetic acid (2,4-D)         2020-04-28         0.9         0.0009         0.09 mg/L         no           Diclofop-methyl         2020-04-28         0.9	Carbaryl	2020-04-28	3			no
Chlorpyfiros         2020-04-28         0.5         0.0005         0.9 mg/L         no           Diazinon         2020-04-28         1         0.0010         0.02 mg/L         no           Dicamba         2020-04-28         10         0.0100         0.12 mg/L         no           1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.2 mg/L         no           1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,2-Dichloroethane         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,1-Dichloroethylene (vinyldene chloride)         2020-04-28         0.5         0.0005         0.014 mg/L         no           0,1-Dichlorophenol         2020-04-28         5         0.0050         0.05 mg/L         no           2-4 Dichlorophenol         2020-04-28         5         0.0050         0.05 mg/L         no           2-4-Dichlorophenoxy acetic acid (2,4-D)         2020-04-28         10         0.0100         0.1 mg/L         no           Dicklorop-methyl         2020-04-28         1         0.0010         0.09 mg/L         no           Dicklofop-methyl         2020-04-28         1         0.0010 <td>Carbofuran</td> <td>2020-04-28</td> <td>1</td> <td>0.0010</td> <td>0.09 mg/L</td> <td>no</td>	Carbofuran	2020-04-28	1	0.0010	0.09 mg/L	no
Diazinon         2020-04-28         1         0.0010         0.02 mg/L         no           Diazinon         2020-04-28         10         0.0100         0.12 mg/L         no           1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.2 mg/L         no           1,4-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,2-Dichloroethane         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,1-Dichloroethylene (vinyldene chloride)         2020-04-28         0.5         0.0005         0.014 mg/L         no           1,1-Dichloropethylene (vinyldene chloride)         2020-04-28         5         0.0050         0.05 mg/L         no           1,1-Dichlorophenol         2020-04-28         5         0.0050         0.05 mg/L         no           2,4-Dichlorophenol         2020-04-28         0.1         0.0000         0.1 mg/L         no           2,4-Dichlorophenoxy acetic acid (2,4-D)         2020-04-28         10         0.0100         0.1 mg/L         no           Dictofop-methyl         2020-04-28         1         0.0010         0.2 mg/L         no           Diquat         2020-04-28         5	Carbon Tetrachloride	2020-04-28	0.2	0.0002	0.002 mg/L	no
Dicamba   2020-04-28   10   0.0100   0.12 mg/L   no	Chlorpyfiros	2020-04-28	0.5	0.0005	0.09 mg/L	no
1,2-Dichlorobenzene         2020-04-28         0.5         0.0005         0.2 mg/L         no           1,4-Dichlorobenzene         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,2-Dichloroethane         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,1-Dichloroethylene (vinyldene chloride)         2020-04-28         0.5         0.0005         0.014 mg/L         no           Dichloromethane         2020-04-28         5         0.0050         0.05 mg/L         no           2-4 Dichlorophenol         2020-04-28         0.1         0.0001         0.9 mgL         no           2,4-Dichlorophenoxy acetic acid (2,4-D)         2020-04-28         10         0.0100         0.1 mg/L         no           Dictofop-methyl         2020-04-28         0.9         0.0009         0.009 mg/L         no           Dimethoate         2020-04-28         1         0.0010         0.02 mg/L         no           Diuron         2020-04-28         5         0.0050         0.07 mg/L         no           Glyphosate         2020-04-28         5         0.0050         0.15 mg/L         no           Malathion         2020-04-28         5         0.0050         <	Diazinon	2020-04-28	1	0.0010	0.02 mg/L	no
1,4-Dichlorobenzene       2020-04-28       0.5       0.0005       0.005 mg/L       no         1,2-Dichloroethane       2020-04-28       0.5       0.0005       0.005 mg/L       no         1,1-Dichloroethylene (vinyldene chloride)       2020-04-28       0.5       0.0005       0.014 mg/L       no         Dichloromethane       2020-04-28       5       0.0050       0.05 mg/L       no         2-4 Dichlorophenol       2020-04-28       0.1       0.0001       0.9 mgL       no         2,4-Dichlorophenoxy acetic acid (2,4-D)       2020-04-28       10       0.0100       0.1 mg/L       no         2,4-Dichlorophenoxy acetic acid (2,4-D)       2020-04-28       10       0.0100       0.1 mg/L       no         Dichlorophenoxy acetic acid (2,4-D)       2020-04-28       1       0.0010       0.1 mg/L       no         Dichlorophenoxy acetic acid (2,4-D)       2020-04-28       1       0.0010       0.02 mg/L       no         Dichlorophenoxy acetic acid (2,4-D)       2020-04-28       5       0.0050       0.07 mg/L       no         Diquat       2020-04-28       5       0.0050       0.15 mg/L       no         Diquat       2020-04-28       5       0.0050       0.15 mg/L       no	Dicamba	2020-04-28	10	0.0100	0.12 mg/L	no
1,2-Dichloroethane         2020-04-28         0.5         0.0005         0.005 mg/L         no           1,1-Dichloroethylene (vinyldene chloride)         2020-04-28         0.5         0.0005         0.014 mg/L         no           Dichloromethane         2020-04-28         5         0.0050         0.05 mg/L         no           2-4 Dichlorophenol         2020-04-28         0.1         0.0001         0.9 mgL         no           2,4-Dichlorophenoxy acetic acid (2,4-D)         2020-04-28         10         0.0100         0.1 mg/L         no           Diclofop-methyl         2020-04-28         0.9         0.0009         0.009 mg/L         no           Diquat         2020-04-28         1         0.0010         0.02 mg/L         no           Diquat         2020-04-28         5         0.0050         0.07 mg/L         no           Diquat         2020-04-28         5         0.0050         0.15 mg/L         no           Oliuron         2020-04-28         5         0.0050         0.15 mg/L         no           Glyphosate         2020-04-28         5         0.0050         0.15 mg/L         no           Malathion         2020-04-28         5         0.0050         0.1 mg/L         no </td <td>1,2-Dichlorobenzene</td> <td>2020-04-28</td> <td>0.5</td> <td>0.0005</td> <td>0.2 mg/L</td> <td>no</td>	1,2-Dichlorobenzene	2020-04-28	0.5	0.0005	0.2 mg/L	no
1,1-Dichloroethylene (vinyldene chloride)       2020-04-28       0.5       0.0005       0.014 mg/L       no         Dichloromethane       2020-04-28       5       0.0050       0.05 mg/L       no         2-4 Dichlorophenol       2020-04-28       0.1       0.0001       0.9 mgL       no         2-4-Dichlorophenoxy acetic acid (2,4-D)       2020-04-28       10       0.0100       0.1 mg/L       no         Dicklofop-methyl       2020-04-28       0.9       0.0009       0.009 mg/L       no         Dimethoate       2020-04-28       1       0.0010       0.02 mg/L       no         Diquat       2020-04-28       5       0.0050       0.07 mg/L       no         Diuron       2020-04-28       5       0.0050       0.15 mg/L       no         Glyphosate       2020-04-28       5       0.0250       0.28 mg/L       no         Malathion       2020-04-28       5       0.0050       0.19 mg/L       no         2-Methyl-4-chlorophenoxyacetic acid (MCP       2020-04-28       10       0.0100       0.1 mg/L       no         Metribuzin       2020-04-28       3       0.0030       0.08 mg/L       no         Monochlorobenzene       2020-04-28       1       <	1,4-Dichlorobenzene	2020-04-28	0.5	0.0005	0.005 mg/L	no
Dichloromethane         2020-04-28         5         0.0050         0.05 mg/L         no           2-4 Dichlorophenol         2020-04-28         0.1         0.0001         0.9 mgL         no           2-4-Dichlorophenoxy acetic acid (2,4-D)         2020-04-28         10         0.0100         0.1 mg/L         no           Diciolofop-methyl         2020-04-28         0.9         0.0009         0.009 mg/L         no           Dimethoate         2020-04-28         1         0.0010         0.02 mg/L         no           Diquat         2020-04-28         5         0.0050         0.07 mg/L         no           Diuron         2020-04-28         5         0.0050         0.15 mg/L         no           Glyphosate         2020-04-28         25         0.0250         0.28 mg/L         no           Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         1         0.0001         0.01 mg/L         n	1,2-Dichloroethane	2020-04-28	0.5	0.0005	0.005 mg/L	no
2-4 Dichlorophenol         2020-04-28         0.1         0.0001         0.9 mgL         no           2,4-Dichlorophenoxy acetic acid (2,4-D)         2020-04-28         10         0.0100         0.1 mg/L         no           Diclofop-methyl         2020-04-28         0.9         0.0009         0.009 mg/L         no           Dimethoate         2020-04-28         1         0.0010         0.02 mg/L         no           Diquat         2020-04-28         5         0.0050         0.07 mg/L         no           Diuron         2020-04-28         5         0.0050         0.15 mg/L         no           Glyphosate         2020-04-28         25         0.0250         0.28 mg/L         no           Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.05 mg/L         no           Monochlorobenzene         2020-04-28         3         0.0003         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no	1,1-Dichloroethylene (vinyldene chloride)	2020-04-28	0.5	0.0005	0.014 mg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)       2020-04-28       10       0.0100       0.1 mg/L       no         Diciclofop-methyl       2020-04-28       0.9       0.0009       0.009 mg/L       no         Dimethoate       2020-04-28       1       0.0010       0.02 mg/L       no         Diquat       2020-04-28       5       0.0050       0.07 mg/L       no         Diuron       2020-04-28       5       0.0050       0.15 mg/L       no         Glyphosate       2020-04-28       25       0.0250       0.28 mg/L       no         Malathion       2020-04-28       5       0.0050       0.19 mg/L       no         2-Methyl-4-chlorophenoxyacetic acid (MCP       2020-04-28       10       0.0100       0.1 mg/L       no         Metribuzin       2020-04-28       3       0.0030       0.05 mg/L       no         Monochlorobenzene       2020-04-28       3       0.0005       0.08 mg/L       no         Paraquat       2020-04-28       1       0.0010       0.01 mg/L       no         Phorate       2020-04-28       0.1       0.0001       0.06 mg/L       no	Dichloromethane	2020-04-28	5	0.0050	0.05 mg/L	no
Diciofop-methyl         2020-04-28         0.9         0.0009         0.009 mg/L         no           Dimethoate         2020-04-28         1         0.0010         0.02 mg/L         no           Diquat         2020-04-28         5         0.0050         0.07 mg/L         no           Diuron         2020-04-28         5         0.0050         0.15 mg/L         no           Glyphosate         2020-04-28         25         0.0250         0.28 mg/L         no           Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.05 mg/L         no           Monochlorobenzene         2020-04-28         3         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Phorate         2020-04-28         0.1         0.0001         0.06 mg/L         no	2-4 Dichlorophenol	2020-04-28	0.1	0.0001	0.9 mgL	no
Dimethoate         2020-04-28         1         0.0010         0.02 mg/L         no           Diquat         2020-04-28         5         0.0050         0.07 mg/L         no           Diuron         2020-04-28         5         0.0050         0.15 mg/L         no           Glyphosate         2020-04-28         25         0.0250         0.28 mg/L         no           Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.05 mg/L         no           Monochlorobenzene         2020-04-28         3         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	2,4-Dichlorophenoxy acetic acid (2,4-D)	2020-04-28	10	0.0100	0.1 mg/L	no
Diquat         2020-04-28         5         0.0050         0.07 mg/L         no           Diuron         2020-04-28         5         0.0050         0.15 mg/L         no           Glyphosate         2020-04-28         25         0.0250         0.28 mg/L         no           Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metholachlor         2020-04-28         3         0.0030         0.05 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Diclofop-methyl	2020-04-28	0.9	0.0009	0.009 mg/L	no
Diuron         2020-04-28         5         0.0050         0.15 mg/L         no           Glyphosate         2020-04-28         25         0.0250         0.28 mg/L         no           Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metholachlor         2020-04-28         3         0.0030         0.05 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Dimethoate	2020-04-28	1	0.0010	0.02 mg/L	no
Glyphosate         2020-04-28         25         0.0250         0.28 mg/L         no           Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metholachlor         2020-04-28         3         0.0030         0.05 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Diquat	2020-04-28	5	0.0050	0.07 mg/L	no
Malathion         2020-04-28         5         0.0050         0.19 mg/L         no           2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metholachlor         2020-04-28         3         0.0030         0.05 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Diuron	2020-04-28	5	0.0050	0.15 mg/L	no
2-Methyl-4-chlorophenoxyacetic acid (MCP         2020-04-28         10         0.0100         0.1 mg/L         no           Metholachlor         2020-04-28         3         0.0030         0.05 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Glyphosate	2020-04-28	25	0.0250	0.28 mg/L	no
Metholachlor         2020-04-28         3         0.0030         0.05 mg/L         no           Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Malathion	2020-04-28	5	0.0050	0.19 mg/L	no
Metribuzin         2020-04-28         3         0.0030         0.08 mg/L         no           Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	2-Methyl-4-chlorophenoxyacetic acid (MCP	2020-04-28	10	0.0100	0.1 mg/L	no
Monochlorobenzene         2020-04-28         0.5         0.0005         0.08 mg/L         no           Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Metholachlor	2020-04-28	3	0.0030	0.05 mg/L	no
Paraquat         2020-04-28         1         0.0010         0.01 mg/L         no           Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Metribuzin	2020-04-28	3	0.0030	0.08 mg/L	no
Pentachlorophenol         2020-04-28         0.1         0.0001         0.06 mg/L         no           Phorate         2020-04-28         0.3         0.0003         0.002 mg/L         no	Monochlorobenzene	2020-04-28	0.5	0.0005	0.08 mg/L	no
Phorate 2020-04-28 0.3 0.0003 0.002 mg/L no	Paraquat	2020-04-28	1	0.0010	0.01 mg/L	no
Phorate 2020-04-28 0.3 0.0003 0.002 mg/L no	Pentachlorophenol	2020-04-28	0.1	0.0001	0.06 mg/L	no
	Phorate	2020-04-28	0.3	0.0003		no
	Picloram	2020-04-28	15	0.0150	0.19 mg/L	no

Limoges Drinking Water System

Ontario Regulation 170/03, Section 11 Annual Report 2020

Parameter	Sample date	Result value (µg/L)	Conversion in (mg/L)	Limit (mg/L)	Exceedance
Polychlorinated Biphenyls (PCB)	2020-04-28	0.05	0.0001	0.003 mg/L	no
Prometryne	2020-04-28	0.1	0.0001	0.001 mg/L	no
Simazine	2020-04-28	0.5	0.0005	0.01 mg/L	no
Terbufos	2020-04-28	0.5	0.0005	0.001 mg/L	no
Tetrachloroethylene	2020-04-28	0.5	0.0005	0.01 mg/L	no
2,3,4,6- Tetrachlorophenol	2020-04-28	0.1	0.0001	0.1 mg/L	no
Triallate	2020-04-28	10	0.0100	0.23 mg/L	no
Trichloroethylene	2020-04-28	0.5	0.0005	0.005 mg/L	no
2,4,6- Trichlorophenol	2020-04-28	0.1	0.0001	0.005 mg/L	no
Trifluralin	2020-04-28	0.5	0.0005	0.045 mg/L	no
Vinyl Chloride	2020-04-28	0.2	0.0002	0.001 mg/L	no
Trihalomethanes (THM)	2020 RAA		0.032	0.1 mg/L	no
Haloacetic acids (HAA)	2020 RAA		0.023	0.08 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	0.622	mg/L	2020-01-21
Barium	0.662	mg/L	2020-04-28
Barium	0.685	mg/L	2020-07-07
Barium	0.594	mg/L	2020-10-06

Limoges Drinking Water System
Ontario Regulation 170/03, Section 11 Annual Report 2020