

January 31st, 2025

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

Subject:

2024 – Annual and Summary Report for the Limoges Drinking Water System

Dear Mr Durocher:

Please see attached, the annual and summary report for the Limoges Drinking Water System that covers the period from January 1st, 2024 to December 31, 2024.

This document has been prepared in accordance with Sections 11 and 22 of Ontario Regulation 170/03 under the *Safe Drinking Water Act, 2002*. The Annual Report and Summary Report for the Limoges Drinking Water System are due by February 28, 2025.

The Annual Report includes:

- A summary of the water system's compliance with applicable legislation and regulations.
- A description of any adverse water quality incidents and corrective actions taken.

The Summary Report includes:

- 1. The quantities and flow rates of water supplied to consumers served by the Limoges Drinking Water System, including monthly averages.
- 2. A comparison of these values to the system's rated capacity to ensure compliance with regulatory requirements."

This report is also distributed to the Members of the Municipal Council.

Sincerely,

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Sebastien Mainville Water and Wastewater Manager

Nicholas Pigeon, CET Water & Wastewater Director, ORO

In preparing this document, which includes both the Annual Report and the Summary Report, we have complied with the following requirements under Ontario Regulation 170/03:

- Identified any instances of non-compliance with the *Safe Drinking Water Act, 2002*, the Regulation, the system's approval, the Drinking Water Works Permit, the Municipal Drinking Water License, and any applicable orders during the reporting period.
- Specified the duration of each non-compliance event and the corrective actions taken (as required for both reports).
- Summarized the quantities and flow rates of water supplied, including monthly averages and maximum daily flows (as required for the Summary Report).
- Compared the flow summary to the system's rated capacity as outlined in the system approval, Drinking Water Works Permit, or Municipal Drinking Water License, or—if applicable—an agreement with another system under subsection 5(4) (Summary Report requirement).
- Included information on adverse water quality incidents and measures taken to address them (Annual Report requirement)."

Comparison:

During the period of January 1, 2024 to December 31, 2024:

- The maximum daily flow to the distribution system was 1622 m³/day. This occurred in June. On that day, 1491 m³ came from the wells and 342 m³ from Cheney (Clarence-Rockland). The 1491 m³ represented 72% of the rated capacity of 2080 m³/day, from our PTTW.
- **The maximum daily flow from the wells** was 1557 m³/day. This occurred in June, and it represented 75% of the rated capacity. In accordance with our PTTW # P-300-6203976113, the maximum rated flow from the wells is 24.1 L/sec or 2080 m³/day.
- The average daily distribution flow was 1140 m³/day.
 - During summer (May 1st to October 31st) months, the average daily distribution flow was 1250 m³.
 - During winter (January, February, March, April, November and December) months, the average daily distribution flow was 1029 m³.
- The Total water taking from the City of Clarence-Rockland was 131 598 m³, for an average of 360 m^{3/}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, 2024		

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 site on the internet? Yes (X) No ()

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

The Nation municipality website

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 2024

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

(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 reservoirs and then pumped into the distribution system. The Limoges drinking water system is also being supplied with chloraminated water from the Rockland WTP in the City of Clarence-Rockland. A 10 km transmission watermain supplies water to the LWTP from Cheney. The water first reaches the Re-chlorination building north of Limoges which consists of : a chemical feed system designed to boost the chloramine level, one flow meter, two CL2 analyzers (before and after chemical injection) and one standby power generator. Water is then directed to LWTP and into the two water storage towers. 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 system operates under the MDWL 179-102 and the DWWP 179-202.

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.

Chemical Name	Supplier
Potassium Permanganate	Brenntag
PAX-XL6	Kemira
Polyelectrolyte	Northland Chemicals Inc.
Sodium Hypochlorite	Brenntag
Ammonium Sulfate	Brenntag

List all water treatment chemicals used over this reporting period

Were any significant expenses incurred to?

() Install required equipment

- (X) Repair required equipment
- () Replace required equipment

Limoges Drinking Water System Ontario Regulation 170/03, Section 11 Annual Report 2024

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

Calibration of Flow meter	\$ 4,600.00
Hydrant inspection & Flushing	\$ 5,000.00
Calibration of analysers and instruments	\$ 2,000.00
Installation of new furnace at LWTP	\$ 45,000.00
SCADA and radio communication upgrade at LWTP	\$ 30,000.00

Provide information on the notices submitted under subsection 18(1) of the Safe Drinking Water Act, section 16-4 of Schedule 16 of O.Reg. 170/03, or any Adverse Water Quality Incidents (AWQIs), other observations and non-compliance that occurred during the reporting year and were reported to the Spills Action Centre.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2024-04-11	Sodium	32.9	mg/L	Took a re-sample, notified residents.	2024-04-24

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 53		0 - 0	0 - 0	N/A	N/A
Raw Well # 2	53	0 - 0	0 - 0	N/A	N/A
Treated	53	0 - 0	0 - 0	53	0 - 4
Distribution	265	0 - 0	0 - 0	106	0 - 8

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#)	as the number of samples.
Turbidity (Raw W1)	26	(6.03) - (16.88)	
Turbidity (Raw W2)	26	(0,20) - (3.14)	
Chlorine Combined POE,	8760	(1.87) - (2,84)	
Chlorine Combined POE,	209	(2.01) - (2,59)	
Chlorine Combined distribution	8760	(0.55) - (2,46)	
Chlorine Combined distribution	294	(0.71) - (2,69)	
Turbidity (Treated water)	195	(0,01) - (0.21)	
Turbidity (Treated water)	8760	(0,04) - (0.43)	
Note: Record the unit of measure if	it is not milligrams per liter.	. *Average per day	of combine chlorine in
distribution system			

Limoges Drinking Water System

Ontario Regulation 170/03, Section 11 Annual Report 2024

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	11-Apr-24	<0.0001	0.006	No
Arsenic	11-Apr-24	<0.0001	0.01	No
Barium	17-Jan-24	0.463	1	No
Barium	11-Apr-24	0.508	1	half mac
Barium	03-Jul-24	0.495	1	No
Barium	02-Oct-24	0.516	1	half mac
Boron	11-Apr-24	0.046	5	No
Cadmium	11-Apr-24	< 0.000015	0.005	No
Calcium	11-Apr-24	68.7		
Chromium	11-Apr-24	< 0.0010	0.05	No
Fluoride	11-Apr-24	< 0.1	1.5	No
Hardness	11-Apr-24	235		
Iron	11-Apr-24	0.005		
Magnesium	11-Apr-24	15.3		
Manganese	11-Apr-24	0.003		
Mercury	11-Apr-24	<0.00002	0.001	No
Selenium	11-Apr-24	< 0.001	0.05	No
Sodium	11-Apr-24	33.5	Health >20 reportable (Limit: 200)	Yes
Sodium	11-Apr-24	32.9	Health >20 reportable (Limit: 200)	Yes
Sodium	17-Apr-24	36.2	Health >20 reportable (Limit: 200)	Yes
Uranium	11-Apr-24	< 0.00005	0.02	No
Nitrite	17-Jan-24	0.05	1	No
Nitrite	11-Apr-24	0.07	1	No
Nitrite	03-Jul-24	0.05	1	No
Nitrite	02-Oct-24	0.05	1	No
Nitrate	17-Jan-24	0.32	10	No
Nitrate	11-Apr-24	0.29	10	No
Nitrate	03-Jul-24	0.31	10	No
Nitrate	02-Oct-24	0.24	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	< 0.00002	0.00014	No
Alkalinity	6		178	200	N/A
рН	6		(7.64 - 8.15)		No

Limoges Drinking Water System Ontario Regulation 170/03, Section 11 Annual Report 2024

Parameter	Sample date	Result value (µg/L)	Conversion in mg/L		Exceedance
Alachlor	2024-04-11	0.3	0.0003	0.005 mg/L	no
Atrazine + N-dealkylated metobolites	2024-04-11	0.5	0.0005	0.005 mg/L	no
Azinphos-methyl	2024-04-11	1	0.0010	0.02 mg/L	no
Benzene	2024-04-11	0.5	0.0005	0.001 mg/L	no
Benzo(a)pyrene	2024-04-11	0.006	0.0000	0.00001 mg/L	no
Bromoxynil	2024-04-11	0.5	0.0005	0.005 mg/L	no
Carbaryl	2024-04-11	3	0.0030	0.09 mg/L	no
Carbofuran	2024-04-11	1	0.0010	0.09 mg/L	no
Carbon Tetrachloride	2024-04-11	0.2	0.0002	0.002 mg/L	no
Chlorpyfiros	2024-04-11	0.5	0.0005	0.09 mg/L	no
Diazinon	2024-04-11	1	0.0010	0.02 mg/L	no
Dicamba	2024-04-11	1	0.0010	0.12 mg/L	no
1,2-Dichlorobenzene	2024-04-11	0.5	0.0005	0.2 mg/L	no
1,4-Dichlorobenzene	2024-04-11	0.5	0.0005	0.005 mg/L	no
1,2-Dichloroethane	2024-04-11	0.5	0.0005	0.005 mg/L	no
1,1-Dichloroethylene (vinyldene chloride)	2024-04-11	0.5	0.0005	0.014 mg/L	no
Dichloromethane	2024-04-11	5	0.0050	0.05 mg/L	no
2-4 Dichlorophenol	2024-04-11	0.2	0.0002	0.9 mgL	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	2024-04-11	1	0.0010	0.1 mg/L	no
Diclofop-methyl	2024-04-11	0.9	0.0009	0.009 mg/L	no
Dimethoate	2024-04-11	1	0.0010	0.02 mg/L	no
Diquat	2024-04-11	5	0.0050	0.07 mg/L	no
Diuron	2024-04-11	5	0.0050	0.15 mg/L	no
Glyphosate	2024-04-11	25	0.0250	0.28 mg/L	no
Malathion	2024-04-11	5	0.0050	0.19 mg/L	no
2-Methyl-4-chlorophenoxyacetic acid (MCP	2024-04-11	10	0.0100	0.1 mg/L	no
Metholachlor	2024-04-11	3	0.0030	0.05 mg/L	no
Metribuzin	2024-04-11	3	0.0030	0.08 mg/L	no
Monochlorobenzene	2024-04-11	0.5	0.0005	0.08 mg/L	no
Paraquat	2024-04-11	1	0.0010	0.01 mg/L	no
Pentachlorophenol	2024-04-11	0.2	0.0002	0.06 mg/L	no
Phorate	2024-04-11	0.3	0.0003	0.002 mg/L	no
Picloram	2024-04-11	5	0.0050	0.19 mg/L	no

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

Limoges Drinking Water System

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Parameter	Sample date	Result value (µg/L)	Conversion in (mg/L)	Limit (mg/L)	Exceedance
Polychlorinated Biphenyls (PCB)	2024-04-11	0.05	0.0001	0.003 mg/L	no
Prometryne	2024-04-11	0.1	0.0001	0.001 mg/L	no
Simazine	2024-04-11	0.5	0.0005	0.01 mg/L	no
Terbufos	2024-04-11	0.5	0.0005	0.001 mg/L	no
Tetrachloroethylene	2024-04-11	0.5	0.0005	0.01 mg/L	no
2,3,4,6- Tetrachlorophenol	2024-04-11	0.2	0.0002	0.1 mg/L	no
Triallate	2024-04-11	10	0.0100	0.23 mg/L	no
Trichloroethylene	2024-04-11	0.5	0.0005	0.005 mg/L	no
2,4,6- Trichlorophenol	2024-04-11	0.2	0.0002	0.005 mg/L	no
Trifluralin	2024-04-11	0.5	0.0005	0.045 mg/L	no
Vinyl Chloride	2024-04-11	0.2	0.0002	0.001 mg/L	no
Trihalomethanes (THM)	2024 RAA	37.75	0.038	0.1 mg/L	no
Haloacetic acids (HAA)	2024 RAA	22.6	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	0.508	mg/L	2024-07-11			
Barium	0.516	mg/L	2024-10-02			
Chloramines	2.84 (max value)	mg/L	Jan - Dec (March 6th, 2024)			

Limoges Drinking Water System

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Facilitiy: Limoges Water Treatment Plant and Distribution system Classification: Class 2 Water Distribution Water Source: Ground Water								gnated Cap bacity (L/se	2080 24 1440				
Well # 1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	SUM
Total Hours of Taking	299.46	232.61	231.37	319.50	428.44	462.62	458.92	409.83	392.35	372.18	356.52	381.58	
Total Amount of Taking (m3)	13371	9915	9989	12886	16602	16367	17557	15413	13844	14823	14838	16096	1716
Average Daily Taking (m3		342	322	430 20.6%	536	546	566	497	461	478	495	519	
% Rated Capacity (ave. daily Flow) 20.7%	16.4%	15.5%	20.6%	25.7%	26.2%	27.2%	23.9%	22%	23%	24%	25%	
Max Daily Flow (m3) 696	505	687	614	714	773	717	621	625	557	631	612	
				-		-		-	30%				
% Rated Capacity (max daily Flow) 33.4%	24.3%	33.0%	29.5%	34.3%	37.2%	34.5%	29.8%	30%	27%	30%	29%	
Min Daily Flow () 204	52	0	302	361	314	381	323	347	390	353	376	_
Min Daily Flow (m3										390			
% Rated Capacity (min daily Flow	9.8%	2.5%	0.0%	14.5%	17.4%	15.1%	18.3%	15.5%	1/%	19%	17%	18%	<u> </u>
Average Daily Rate of Taking (L/s	12.23	12.04	10.65	11.05	10.60	9.70	10.31	10.41	9.59	10.79	11.38	11.58	
Peak Daily Rate of Taking (L/s		13.88	15.57	14.12	12.39	11.83	50.00			50.00	14.85	1278.00	
% Peak Daily Rate of Taking (L/s		57.8%	64.9%	58.8%	51.6%	49.3%	208.3%	208.3%		208%	62%	5325%	
Peak Daily Rate of Taking (L/min		833	934		743	710	3000	3000		3000	891	76680	
% Peak Daily Rate of Taking (L/min) 58.4%	57.8%	64.9%	58.8%	51.6%	49.3%	208.3%	208.3%	208.3%	208.3%	61.9%	5325.0%	
Well level (Static & Dynamic) Avg		7.67	8.14		8.12	7.83	8.10			7.60		7.30	
Min Well level (Dynamic Max Well level (Static		7.39	7.75	7.85 9.39	7.72	7.46	7.81	7.82	7.63	7.24	7.02	6.96 7.67	
wax weil level (Static	1.03	0.07	9.37	9.59	0.40	0.10	0.44	0.44	0.20	1.01	11.00	1.07	
Well # 2													
vven # 2	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	SUM
-	-								-	-			SUM
Total Hours of Taking Total Amount of Taking (m3	217.40	FEB 231.00 8943			426.94 17180	JUN 453.51 17386	458.24 18892		391.85	OCT 369.68 14280		380.52 15232	SUM 171
Total Hours of Taking	217.40	231.00	229.68	318.40	426.94	453.51	458.24	408.33	391.85	369.68	353.49	380.52	
Total Hours of Taking	217.40	231.00	229.68	318.40 13474 449	426.94	453.51	458.24	408.33 17710	391.85	369.68	353.49	380.52 15232 491	
Total Hours of Taking Total Amount of Taking (m3	217.40 8553	231.00 8943	229.68 9297	318.40 13474	426.94 17180	453.51 17386	458.24 18892	408.33 17710	391.85 16645	369.68 14280	353.49 13628	380.52 15232	
Total Hours of Taking Total Amount of Taking (m3 Average Daily Taking (m3 % Rated Capacity (ave. daily Flow	217.40 8553) 285) 13.7%	231.00 8943 308 14.8%	229.68 9297 300 14.4%	318.40 13474 449 21.6%	426.94 17180 554 26.6%	453.51 17386 580 27.9%	458.24 18892 609 29.3%	408.33 17710 571 27.5%	391.85 16645 555 26.7%	369.68 14280 461 22.1%	353.49 13628 454 21.8%	380.52 15232 491 23.6%	
Total Hours of Taking Total Amount of Taking (m3 Average Daily Taking (m3 % Rated Capacity (ave. daily Flow Max Daily Flow (m3	217.40 8553 285 13.7%	231.00 8943 308 14.8% 485	229.68 9297 300 14.4% 611	318.40 13474 449 21.6% 588	426.94 17180 554 26.6% 770	453.51 17386 580 27.9% 791	458.24 18892 609 29.3% 811	408.33 17710 571 27.5% 712	391.85 16645 555 26.7% 718	369.68 14280 461 22.1% 542	353.49 13628 454 21.8% 568	380.52 15232 491 23.6% 589	
Total Hours of Taking Total Amount of Taking (m3 Average Daily Taking (m3 % Rated Capacity (ave. daily Flow	217.40 8553 285 13.7%	231.00 8943 308 14.8%	229.68 9297 300 14.4%	318.40 13474 449 21.6%	426.94 17180 554 26.6%	453.51 17386 580 27.9%	458.24 18892 609 29.3%	408.33 17710 571 27.5%	391.85 16645 555 26.7% 718	369.68 14280 461 22.1%	353.49 13628 454 21.8%	380.52 15232 491 23.6%	
Total Hours of Taking Total Amount of Taking (m3 Average Daily Taking (m3 % Rated Capacity (ave. daily Flow Max Daily Flow (m3 % Rated Capacity (max daily Flow	217.40 8553 285 13.7% 428 20.6%	231.00 8943 308 14.8% 485 23.3%	229.68 9297 300 14.4% 611 29.4%	318.40 13474 449 21.6% 588 28.3%	426.94 17180 554 26.6% 770 37.0%	453.51 17386 580 27.9% 791 38.0%	458.24 18892 609 29.3% 811 39.0%	408.33 17710 571 27.5% 712 34.2%	391.85 16645 555 26.7% 718 34.5%	369.68 14280 461 22.1% 542 26.1%	353.49 13628 454 21.8% 568 27.3%	380.52 15232 491 23.6% 589 28.3%	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3)	217.40 8553 285 13.7% 285 13.7% 428 20.6%	231.00 8943 308 14.8% 485 23.3%	229.68 9297 300 14.4% 611 29.4%	318.40 13474 449 21.6% 588 28.3% 334	426.94 17180 554 26.6% 770 37.0% 378	453.51 17386 580 27.9% 791 38.0% 349	458.24 18892 609 29.3% 811 39.0%	408.33 17710 571 27.5% 712 34.2% 387	391.85 16645 555 26.7% 718 34.5%	369.68 14280 461 22.1% 542 26.1% 368	353.49 13628 454 21.8% 568 27.3% 348	380.52 15232 491 23.6% 589 28.3% 352	
Total Hours of Taking Total Amount of Taking (m3 Average Daily Taking (m3 % Rated Capacity (ave. daily Flow Max Daily Flow (m3 % Rated Capacity (max daily Flow	217.40 8553 285 13.7% 285 13.7% 428 20.6%	231.00 8943 308 14.8% 485 23.3%	229.68 9297 300 14.4% 611 29.4%	318.40 13474 449 21.6% 588 28.3%	426.94 17180 554 26.6% 770 37.0%	453.51 17386 580 27.9% 791 38.0%	458.24 18892 609 29.3% 811 39.0%	408.33 17710 571 27.5% 712 34.2%	391.85 16645 555 26.7% 718 34.5%	369.68 14280 461 22.1% 542 26.1%	353.49 13628 454 21.8% 568 27.3%	380.52 15232 491 23.6% 589 28.3%	
Total Hours of Taking Total Amount of Taking (m3 Average Daily Taking (m3 % Rated Capacity (ave. daily Flow Max Daily Flow (m3 % Rated Capacity (max daily Flow Min Daily Flow (m3 % Rated Capacity (min daily Flow	217.40 8553 2855 13.7% 428 20.6% 20.6%	231.00 8943 308 14.8% 485 23.3% 43 2.1%	229.68 9297 300 14.4% 611 29.4% 0 0.0%	318.40 13474 449 21.6% 588 28.3% 334 16.0%	426.94 17180 554 26.6% 770 37.0% 378 18.2%	453.51 17386 580 27.9% 791 38.0% 349 16.8%	458.24 18892 609 29.3% 811 39.0% 423 20.4%	408.33 17710 571 27.5% 712 34.2% 387 18.6%	391.85 16645 555 26.7% 718 34.5% 406 19.5%	369.68 14280 461 22.1% 542 26.1% 368 17.7%	353.49 13628 454 21.8% 568 27.3% 348 16.7%	380.52 15232 491 23.6% 589 28.3% 352 16.9%	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3 % Rated Capacity (max daily Flow Min Daily Flow (m3)	217.40 8553 285 13.7% 20.6% 20.6% 0 0 0.0% 79.1	231.00 8943 308 14.8% 485 23.3%	229.68 9297 300 14.4% 611 29.4%	318.40 13474 449 21.6% 588 28.3% 334	426.94 17180 554 26.6% 770 37.0% 378	453.51 17386 580 27.9% 791 38.0% 349	458.24 18892 609 29.3% 811 39.0%	408.33 17710 571 27.5% 712 34.2% 387	391.85 16645 555 26.7% 718 34.5% 406 19.5%	369.68 14280 461 22.1% 542 26.1% 368	353.49 13628 454 21.8% 568 27.3% 348	380.52 15232 491 23.6% 589 28.3% 352	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/s)	217.40 8553 13.7% 285 13.7% 20.6% 0 0 0.0% 13.6%	231.00 8943 308 14.8% 485 23.3% 43 2.1% 10.1	229.68 9297 300 14.4% 611 29.4% 0 0.0% 9.9	318.40 13474 449 21.6% 588 28.3% 334 16.0% 11.6	426.94 17180 554 26.6% 770 37.0% 378 18.2% 11.0	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5	458.24 18892 29.3% 811 39.0% 423 20.4%	408.33 17710 571 27.5% 712 34.2% 387 18.6% 11.9	391.85 16645 555 26.7% 718 34.5% 406 19.5% 11.1 13.2	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4	353.49 13628 454 21.8% 568 27.3% 348 16.7% 10.5	380.52 15232 491 23.6% 589 28.3% 352 16.9% 11.0	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s % Peak Daily Rate of Taking (L/s	217.40 8553 285 13.7% 20.6% 20.6% 0 0.0% 79.1 13.6 56.5%	231.00 8943 308 14.8% 485 23.3% 43 2.1% 10.1 15.4 64.3%	229.68 9297 300 14.4% 611 29.4% 0 0.0% 9.9 13.1 54.6%	318.40 13474 449 21.6% 588 28.3% 334 16.0% 11.6 12.5 52.3%	426.94 17180 554 26.6% 770 37.0% 378 18.2% 11.0 14.0 58.2%	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5 13.7 57.0%	458.24 18892 600 29.3% 811 39.0% 423 20.4% 11.1 12.7 52.9%	408.33 17710 571 27.5% 712 34.2% 387 18.6% 11.9 16.3 68.0%	391.85 16645 555 26.7% 718 34.5% 406 19.5% 11.1 13.2 55.1%	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4 15.0 62.3%	353.49 13628 454 21.8% 568 27.3% 348 16.7% 10.5 14.9 62.0%	380.52 15232 491 23.6% 589 28.3% 352 16.9% 11.0 13.9 58.1%	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s)	217.40 8553 13.7% 2855 13.7% 20.6% 20.6% 0 0 0.0.0% 79.1 13.6 56.5%	231.00 8943 308 435 23.3% 433 2.1% 10.1 15.4 64.3%	229.68 9297 3000 14.4% 611 29.4% 0 0.0% 9.9 13.1 54.6%	318.40 13474 21.6% 21.6% 28.3% 334 16.0% 11.6 12.5 52.3% 752	426.94 17180 554 26.6% 770 37.0% 37.8% 18.2% 11.0 14.0 58.2% 838	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5 13.7 57.0% 821	458.24 18892 6002 29.3% 8111 39.0% 423 20.4% 11.1 12.7 52.9% 761	408.33 17710 571 27.5% 712 34.2% 387 18.6% 11.9 16.3 68.0% 980	391.85 16645 26.7% 718 34.5% 406 19.5% 11.1 13.2 55.1%	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4 15.0 62.3%	353.49 13628 454 21.8% 568 27.3% 348 16.7% 10.5 14.9 62.0% 892	380.52 15232 491 23.6% 589 28.3% 352 16.9% 11.0 13.9 58.1% 836	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s % Peak Daily Rate of Taking (L/s	217.40 8553 13.7% 2855 13.7% 20.6% 20.6% 0 0 0.0.0% 79.1 13.6 56.5%	231.00 8943 308 14.8% 485 23.3% 43 2.1% 10.1 15.4 64.3%	229.68 9297 300 14.4% 611 29.4% 0 0.0% 9.9 13.1 54.6%	318.40 13474 449 21.6% 588 28.3% 334 16.0% 11.6 12.5 52.3%	426.94 17180 554 26.6% 770 37.0% 378 18.2% 11.0 14.0 58.2%	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5 13.7 57.0%	458.24 18892 600 29.3% 811 39.0% 423 20.4% 11.1 12.7 52.9%	408.33 17710 571 27.5% 712 34.2% 387 18.6% 11.9 16.3 68.0%	391.85 16645 26.7% 718 34.5% 406 19.5% 11.1 13.2 55.1%	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4 15.0 62.3%	353.49 13628 454 21.8% 568 27.3% 348 16.7% 10.5 14.9 62.0%	380.52 15232 491 23.6% 589 28.3% 352 16.9% 11.0 13.9 58.1%	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/s % Peak Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s) Peak Daily Rate of Taking (L/s)	217.40 8553 285 13.7% 20.6% 0 0.0% 0 0.0% 13.6 56.5%	231.00 8943 308 4485 23.3% 43 2.1% 10.1 15.4 64.3% 925 64.3%	229.68 9297 300 14.4% 0 0.0% 9.9 13.1 54.6%	318.40 13474 449 21.6% 588 28.3% 334 16.0% 11.6 12.5 52.3% 752 52.3%	426.94 17180 554 26.6% 7770 37.0% 378 18.2% 11.0 14.0 58.2% 838 58.2%	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5 13.7 57.0% 821 57.0%	458.24 18892 600 29.3% 8111 39.0% 423 20.4% 11.1 12.7 52.9% 761	408.33 17710 571 27.5% 712 34.2% 18.6% 11.9 16.3 68.0% 980 68.0%	391.85 16645 555 26.7% 27.18 34.5% 406 19.5% 11.1 32.51.% 793 55.1%	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4 15.0 62.3% 898 62.3%	353.49 13628 454 21.8% 568 27.3% 348 16.7% 10.5 14.9 62.0% 892 62.0%	380.52 15232 491 23.6% 5889 28.3% 352 16.9% 11.0 13.9 58.1% 836 58.1%	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/S) Peak Daily Rate of Taking (L/S) % Peak Daily Rate of Taking (L/S) Peak Daily Rate of Taking (L/Min % Peak Daily Rate of Taking (L/Min	217.40 8553 2855 13.7% 20.6% 20.6% 0 0.0% 0 0.0% 0 0.0% 0 79.1 13.6. 56.5% 814 56.5%	231.00 8943 14.8% 485 23.3% 43 2.1% 10.1 15.4. 64.3% 925 64.3% 7.64	229.68 9297 300 14.4% 611 29.4% 0.0% 9.9 13.1.1 54.6% 787 54.6%	318.40 13474 449 21.6% 588 28.3% 16.0% 11.6 12.5 52.3% 752 52.3% 752 52.3%	426.94 17180 554 26.6% 770 37.0% 18.2% 11.0 14.0 58.2% 838 58.2% 8.08	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5 13.7. 57.0% 821 57.0% 7.79	458.24 18892 600 29.3% 423 20.4% 11.1 12.7. 52.9% 761 52.9% 8.17	408.33 17710 571 27.5% 712 34.2% 18.6% 11.9 16.3.3 68.0% 980 68.0% 8.08	391.85 16645 555 26.7% 718 34.5% 19.5% 19.5% 11.1 13.2 55.1% 793 55.1% 8.00	369.68 14280 461 22.1% 542 26.1% 17.7% 10.4 15.0 62.3% 898 62.3% 7.56	353.49 13628 454 21.8% 568 27.3% 16.7% 10.5 14.9.9 62.0% 892 62.0% 7.28	380.52 15232 491 23.6% 589 28.3% 16.9% 11.0 13.9 58.1% 8366 58.1% 7.24	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow) Max Daily Flow (m3) % Rated Capacity (max daily Flow) Min Daily Flow (m3) % Rated Capacity (min daily Flow) Average Daily Rate of Taking (L/s) Peak Daily Rate of Taking (L/s) Weat Daily Rate of Taking (L/s) % Peak Daily Rate of Taking (L/s) % Not the the total the total	217.40 8553) 285) 13.7%) 428 20.6%) 0 20.6%) 0 0.0%) 79.1) 79.1) 13.6 56.5%) 814 56.5%] 7.57 7.77	231.00 8943 308 14.8% 485 23.3% 43 2.1% 10.1 15.4 64.3% 925 64.3% 7.64 7.74	229.68 9297 3000 14.4% 0 0.0% 9.9 13.1 54.6% 787 54.6% 8.14 7.69	318.40 13474 21.6% 588 28.3% 16.0% 11.6 12.5 52.3% 752 52.3% 8.20 7.79	426.94 17180 554 26.6% 770 37.0% 37.0% 11.0 14.00 58.2% 838 58.2% 838 58.2% 8.08 8.08 8.08	453.51 17386 27.9% 791 38.0% 10.5 13.7, 57.0% 821 57.0% 7.79 7.79	458.24 18892 600 29.3% 423 20.4% 11.1 12.7 52.9% 76f 52.9% 8.17 7.73	408.33 17710 571 27.5% 712 34.2% 18.6% 11.9 16.3 68.0% 8.08 8.08 7.77	391.85 16645 26.7% 718 34.5% 19.5% 11.1 13.2 55.1% 8.00 7,56	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4 15.0 62.3% 898 62.3% 7.56 7.56	353.49 13628 454 21.8% 568 27.3% 348 16.7% 10.5 14.9 62.0% 892 62.0% 7.28 6.98	380.52 15232 491 23.6% 589 28.3% 16.9% 11.0 13.9 58.1% 8366 58.1% 7.24 6.90	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s) % Peak Daily Rate of Taking (L/s) Peak Daily Rate of Taking (L/min % Peak Daily Rate of Taking (L/min)	217.40 8553) 285) 13.7%) 428 20.6%) 0 20.6%) 0 0.0%) 79.1) 79.1) 13.6 56.5%) 814 56.5%] 7.57 7.77	231.00 8943 14.8% 485 23.3% 43 2.1% 10.1 15.4. 64.3% 925 64.3% 7.64	229.68 9297 300 14.4% 611 29.4% 0.0% 9.9 13.1.1 54.6% 787 54.6%	318.40 13474 21.6% 588 28.3% 16.0% 11.6 12.5 52.3% 752 52.3% 8.20 7.79	426.94 17180 554 26.6% 770 37.0% 18.2% 11.0 14.0 58.2% 838 58.2% 8.08	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5 13.7. 57.0% 821 57.0% 7.79	458.24 18892 600 29.3% 423 20.4% 11.1 12.7. 52.9% 761 52.9% 8.17	408.33 17710 571 27.5% 712 34.2% 18.6% 11.9 16.3.3 68.0% 980 68.0% 8.08	391.85 16645 26.7% 718 34.5% 19.5% 11.1 13.2 793 55.1% 8.00 7.56	369.68 14280 461 22.1% 542 26.1% 17.7% 10.4 15.0 62.3% 898 62.3% 7.56	353.49 13628 454 21.8% 568 27.3% 16.7% 10.5 14.9.9 62.0% 892 62.0% 7.28	380.52 15232 491 23.6% 589 28.3% 16.9% 11.0 13.9 58.1% 8366 58.1% 7.24	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Min Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s) Peak Daily Rate of Taking (L/s) Well level (Static & Dynamic) Avg Min Well level (Static	217.40 8553) 285) 13.7%) 428 20.6%) 0 20.6%) 0 0.0%) 79.1) 79.1) 13.6 56.5%) 814 56.5%] 7.57 7.77	231.00 8943 308 14.8% 485 23.3% 43 2.1% 10.1 15.4 64.3% 925 64.3% 7.64 7.74	229.68 9297 3000 14.4% 0 0.0% 9.9 13.1 54.6% 787 54.6% 8.14 7.69	318.40 13474 21.6% 588 28.3% 16.0% 11.6 12.5 52.3% 752 52.3% 8.20 7.79	426.94 17180 554 26.6% 770 37.0% 37.0% 11.0 14.00 58.2% 838 58.2% 838 58.2% 838 58.2%	453.51 17386 27.9% 791 38.0% 10.5 13.7, 57.0% 821 57.0% 7.79 7.79	458.24 18892 600 29.3% 423 20.4% 11.1 12.7 52.9% 76f 52.9% 8.17 7.73	408.33 17710 571 27.5% 712 34.2% 18.6% 11.9 16.3 68.0% 8.08 8.08 7.77	391.85 16645 26.7% 718 34.5% 19.5% 11.1 13.2 793 55.1% 8.00 7.56	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4 15.0 62.3% 898 62.3% 7.56 7.19 7.84	353.49 13628 454 21.8% 568 27.3% 348 16.7% 10.5 14.9 62.0% 892 62.0% 7.28 6.98	380.52 15232 491 23.6% 589 28.3% 16.9% 11.0 13.99 58.1% 8366 58.1% 7.24 6.90 7.63	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow Max Daily Flow (m3) % Rated Capacity (max daily Flow Min Daily Flow (m3) % Rated Capacity (min daily Flow Average Daily Rate of Taking (L/s Peak Daily Rate of Taking (L/s % Peak Daily Rate of Taking (L/s % Peak Daily Rate of Taking (L/min % Peak Daily Rate of Taking (L/min) % Peak Daily Rate of Taking (Min) % Peak Daily Rate of Taking (L/min) % Peak Daily Rate of Taking (L/min) % % % % % % % % % % % % % % % % % % %	217.40 8553 13.7% 2428 20.6% 20.6% 20.6% 20.6% 20.6% 20.6% 20.6% 20.6% 20.6% 20.79.1 3.6.6 56.5% 814 56.5% 7.57 7.77 7.80 JAN	231.00 8943 14.8% 485 23.3% 43 2.1% 10.1 15.4 64.3% 925 64.3% 7.64 7.64 7.34 8.04	229.68 9297 300 14.4% 611 29.4% 0 0.0% 9.9 13.1.1 54.6% 8.14 7.69 9.36	318.40 13474 449 21.6% 588 28.3% 16.0% 11.6 12.5 52.3% 752 52.3% 8.20 7.79 8.56	426.94 17180 554 26.6% 770 37.0% 18.2% 11.0 14.0 58.2% 838 58.2% 8.38 58.2% 8.08 7.65 8.44 MAY	453.51 17386 580 27.9% 791 38.0% 349 16.8% 10.5 13.7 57.0% 821 57.0% 821 57.0% 7.79 7.37 8.15	458.24 18892 600 29.3% 811 39.0% 20.4% 20.4% 20.4% 761 52.9% 761 52.9% 8.17 7.73 11.63	408.33 17710 27.5% 712 34.2% 18.6% 11.9 16.3.3 68.0% 68.0% 68.0% 8.08 7.77 8.43 8.43	391.85 16645 26.7% 26.7% 406 19.5% 10.5% 19.5% 1	369.68 14280 461 22.1% 542 26.1% 17.7% 10.4 15.0 62.3% 898 62.3% 7.56 7.19 7.84 OCT	353.49 13628 454 21.8% 568 27.3% 16.7% 16.7% 16.7% 62.0% 892 62.0% 7.28 6.98 7.65 NOV	380.52 15232 491 23.6% 589 28.3% 16.9% 11.0 13.9 58.1% 836 58.1% 7.24 6.90 7.63	
Total Hours of Taking Total Amount of Taking (m3) Average Daily Taking (m3) % Rated Capacity (ave. daily Flow) Max Daily Flow (m3) % Rated Capacity (max daily Flow) Min Daily Flow (m3) % Rated Capacity (min daily Flow) Average Daily Rate of Taking (L/s) Peak Daily Rate of Taking (L/s) % Peak Daily Rate of Taking (L/s) % Well level (Static & Dynamic) Ave Min Well level (Dynamic) Peak	217.40 8553 2855 13.7% 2428 20.6% 20.6% 20.6% 20.0% 20	231.00 8943 308 486 23.3% 433 2.1% 10.1 15.4 64.3% 925 64.3% 7.64 7.64 8.04	229.68 9297 300 14.4% 611 29.4% 0 0.0.% 9.9 13.1.1 54.6% 787 54.6% 8.14 7.69 9.36	318.40 13474 21.6% 588 28.3% 334 16.0% 11.6 12.5 52.3% 752 52.3% 8.20 7.79 8.56 APR 26360	426.94 17180 554 26.6% 7700 37.0% 378 18.2% 11.0 14.0 58.2% 838 58.2% 8.08 7.65 8.44	453.51 17386 580 27.9% 791 38.0% 16.8% 10.5 13.7 57.0% 821 57.0% 7.79 7.37 8.15	458.24 18892 609 29.3% 811 39.0% 423 20.4% 11.1 12.7 52.9% 761 52.9% 8.17 7.73 11.63	406.33 17710 571 27.5% 712 34.2% 387 18.6% 11.9 16.3 68.0% 68.0% 68.0% 68.0% 8.08 7.777 8.43 AUG 33123	391.85 16645 26.7% 718 34.5% 406 19.5% 11.1 13.2 55.1% 793 55.1% 8.00 7.56 12.67 SEP 30489	369.68 14280 461 22.1% 542 26.1% 368 17.7% 10.4 15.0 62.3% 898 62.3% 7.56 7.19 7.84	353.49 13628 454 21.8% 568 27.3% 16.7% 10.5 16.7% 62.0% 822 62.0% 7.28 62.0% 7.28 6.98 7.65 NOV	380.52 15232 491 23.6% 589 28.3% 352 16.9% 11.0 13.9 58.1% 836 58.1% 7.24 6.90 7.63	

2024 Summary Report - Limoges Water Taking

Burgenzing and proving the stand balance was any series of the stand balan			2024 Su	mmary	Report -	Limoge	s Water	Distribu	tion Sys	tem				
Detribution System / Flows POE - Flows (m3day) Detribution System / Flows Mark 1008 1024 1055 1228 1228 11347 1272 1198 1135 1135 1135 1135 Mark 1008 1024 1055 1228 1228 11347 1015 10158	Facility: Limoges Water Treatment Plant and Distribution system Classification: Class 2 Water Distribution Serviced Population:													
Detribution System / Flows POE - Flows (m3day) Detribution System / Flows Mark 1008 1024 1055 1228 1228 11347 1272 1198 1135 1135 1135 1135 Mark 1008 1024 1055 1228 1228 11347 1015 10158														
POE - Flows (m3day) 499 99 913 991 1940 1221 11947 1222 1193 1133 1195 1193 Max 1033 1020 1033 1192 1976 1922 1198 1441 1341 1341 1343 1345 344.0 345.0 <t< td=""><td></td><td>JAN</td><td>FEB</td><td>MAR</td><td>APR</td><td>MAY</td><td>JUN</td><td>JUL</td><td>AUG</td><td>SEP</td><td>ОСТ</td><td>NOV</td><td>DEC</td><td>SUM</td></t<>		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	SUM
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Distribution System / Flows													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	POE - Flows (m3/day)													
$ \begin{array}{ $	×													
Total 22701 24870 23028 33378 33185 33846 41745 33427 35708 35128 34656 57139 Wate taken from Clarence-Rockland (transmission main) 6402 683.08 364.02 358.08 377.45 352.75 377.76 308.28 304.05 Max 366.11 404.81 831.38 303.50 366.01 374.74 308.01 306.16 332.75 377.76 408.84 Max 366.11 404.01 1137 302.65 313.52 340.31 303.10 361.67 303.14 358.61 328.54 240.08 10736 1028.51 110.61 110.81 140.20 110.61 102.81 127.16 110.61 103.81 137.28 142.94 113.73 115.60 127.16 110.81 137.37 377.5 377.5 Distribution System / Health - Cholme Residuals POE - Online Minimum (Tad (Cgnd) 119.81 137.37 277.18 116.4 398.91 377.5 277.5 228 2.24														
Arg. 353.89 402.29 410.00 300.80 354.47 388.81 397.75 322.20 348.16 341.00 340.82 Max 339.05 346.10 831.38 335.35 398.62 358.81 377.47 382.07 382.17 336.11 336.81														
Arg. 353.89 402.29 410.00 300.80 354.47 388.81 397.75 322.20 348.16 341.00 340.82 Max 339.05 346.10 831.38 335.35 398.62 358.81 377.47 382.07 382.17 336.11 336.81	Water taken from Clarence	Pockland (tranemiesio	n main)										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$,	309.96	350.06	351.47	358.63	367.73	352.92	348.15	361.06	340.52	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	×													
Area Constr - Flows (m3/day) Forest Park - Booster - Flows (m3/day) 117.12 116.37 115.50 126.51 146.29 140.91 138.85 131.28 142.94 124.37 115.67 121.76 Max 134.06 134.43 138.81 199.86 228.57 199.56 153.30 117.44 143.94 137.37 271.18 Min 104.83 102.72 101.80 101.21 101.81 119.12 115.46 114.64 0.00 3775 Distribution System / Health - Chlorine Residuals POE - Online Minimum Total C12 (mgL) 229 2.28 2.38 2.34 2.42 2.30 2.23 2.31 2.11 2.14 2.11 2.14 Maximum Total C12 (mgL) 2.49 2.57 2.51 2.55 2.61 2.56 2.51 2.62 2.48 2.46 2.47 2.53 2.58 Minimum Total C12 (mgL) 2.46 2.57 2.61 <td></td>														
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Total	10961	11667	12991	9299	10852	10544	11118	11400	10588	10793	10832	10556	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Forest Park - Booster - Flow	vs (m3/day)											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Avg.	117.12	116.37	115.50	126.51	145.20	140.91	138.85	131.28	142.94	124.37	115.67	121.76	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$														
$\begin{array}{c c c c c c c c c c c c c c c c c c c $														
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	TOLA	3031	33/5	3360	3795	4501	4221	4304	4070	4200	3030	3470	3115	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Distribution System / Hea	lth - Chlor	ine Residu	als POE -	Online									
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Minimun Total Cl2 (mg/L)		I			1	1		1	1				
Maximum Total CI2 (mg/L) Maximum Total CI2 (mg/L) Maximum Tree CI2 (mg/L) 2.43 2.59 2.51 2.50 2.45 2.35 2.44 2.29 2.35 2.40 2.48 Max 2.49 2.57 2.91 2.66 2.75 2.6 2.57 2.6 2.47 2.53 2.56 Minimun Free CI2 (mg/L) Mini 0.04 0.05 0.06 0.07 0.08 0.07 0.07 0.06 0.06 0.06 0.07 0.08 0.07 0.06 0.06 0.06 0.06 0.07 0.08 0.07 0.06 0.06 0.06 0.06 0.07 0.08 0.07 0.06 0.06 0.06 0.06 0.06 0.06 0.07 0.08 0.07 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.07 0.07 0.06 0.06 0.06 0.07 0.07 0.06 0.09 0.01 0.10 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.13 0.														
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Min.	2.02	1.94	2.17	2.13	2.22	2.12	2.13	2.19	1.98	2.14	2.11	2.14	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Maximum Total Cl2 (mg/L)													
Minimun Free Cl2 (mg/L) Min 0.05 0.06 0.06 0.07 0.08 0.08 0.07 0.07 0.06 0.06 Min 0.04 0.05 0.05 0.05 0.06 0.06 0.07 0.06 0.06 0.06 0.06 0.07 0.06 <td< td=""><td>Avg.</td><td>2.40</td><td>2.43</td><td>2.59</td><td>2.51</td><td>2.59</td><td>2.45</td><td>2.35</td><td>2.44</td><td>2.29</td><td>2.35</td><td>2.40</td><td>2.48</td><td></td></td<>	Avg.	2.40	2.43	2.59	2.51	2.59	2.45	2.35	2.44	2.29	2.35	2.40	2.48	
Avg. 0.05 0.06 0.06 0.07 0.08 0.08 0.07 0.07 0.08 0.08 Min 0.04 0.04 0.05 0.05 0.06 0.06 0.01 0.06 0.04 0.03 Maximum Free Cl2 (mg/L) Avg. 0.09 0.09 0.10 0.10 0.12 0.11 0.12 0.11 0.11 0.10 0.10 Max. 0.1 0.11 0.11 0.11 0.13 0.13 0.13 0.12 0.12 0.16 Minimun Combined Cl2 (mg/L) Avg. 2.21 2.20 2.31 2.26 2.33 2.21 2.14 2.20 2.05 2.13 2.17 2.25 Min. 1.95 1.87 2.09 2.05 2.15 2.02 2.04 1.99 1.88 2.04 2.03 2.02 Maximum Combined Cl2 (mg/L) Avg. 2.33 2.36 2.51 2.36 2.26 2.34 2.21 2.27 2.33 <t< td=""><td>Max.</td><td>2.49</td><td>2.57</td><td>2.91</td><td>2.65</td><td>2.75</td><td>2.6</td><td>2.51</td><td>2.57</td><td>2.6</td><td>2.47</td><td>2.53</td><td>2.58</td><td></td></t<>	Max.	2.49	2.57	2.91	2.65	2.75	2.6	2.51	2.57	2.6	2.47	2.53	2.58	
Avg. 0.05 0.06 0.06 0.07 0.08 0.08 0.07 0.07 0.08 0.06 Min 0.04 0.04 0.05 0.05 0.06 0.06 0.01 0.06 0.04 0.03 Maximum Free Cl2 (mg/L) Avg. 0.09 0.09 0.10 0.10 0.11														
Min. 0.04 0.05 0.05 0.06 0.06 0.01 0.06 0.04 0.03 Maximum Free CI2 (mg/L) Avg. 0.09 0.10 0.10 0.11 0.12 0.11 0.12 0.11 0.12 0.12 0.11 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12<		0.05	0.05	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.07	0.06	0.06	
Avg. 0.09 0.09 0.10 0.10 0.12 0.11 0.11 0.11 0.10 0.10 Max. 0.1 0.11 0.11 0.11 0.11 0.13 0.13 0.13 0.13 0.12 0.12 0.11 0.11 0.10 0.10 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.16 Minimum Combined Cl2 (mg/L) Avg. 2.21 2.20 2.31 2.26 2.33 2.21 2.14 2.20 2.05 2.13 2.17 2.25 Minimum Combined Cl2 (mg/L)														
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Minimun Combined Cl2 (mg/L) Avg. 2.21 2.20 2.31 2.26 2.33 2.21 2.14 2.20 2.05 2.13 2.17 2.25 Min. 1.95 1.87 2.09 2.05 2.15 2.02 2.04 1.99 1.88 2.04 2.03 2.02 Maximum Combined Cl2 (mg/L) Avg. 2.33 2.36 2.51 2.36 2.26 2.34 2.21 2.27 2.33 2.41 Max. 2.42 2.5 2.84 2.56 2.67 2.53 2.42 2.47 2.52 2.4 2.46 2.55 Mean Combined Cl2 (mg/L) Avg. 2.26 2.29 2.42 2.33 2.41 2.28 2.19 2.27 2.12 2.19 2.25 2.32 Mean Free Cl2 (mg/L) Max 0.07 0.07 0.08 0.09 0.10 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Mean Total Cl2 (mg/L) Mean Total Cl2 (mg/L) Mean Total Cl2 (mg/L) Max 2.49 2.41 2.49 2.37 2.29 2.37														
Arg. 2.21 2.20 2.31 2.26 2.33 2.21 2.14 2.20 2.05 2.13 2.17 2.25 Min. 1.95 1.87 2.09 2.05 2.15 2.02 2.04 1.99 1.88 2.04 2.03 2.02 Maximum Combined Cl2 (mg/L) Arg. 2.33 2.36 2.51 2.36 2.26 2.34 2.21 2.27 2.33 2.41 Max. 2.42 2.5 2.84 2.58 2.67 2.53 2.42 2.47 2.52 2.4 2.46 2.55 Mean Combined Cl2 (mg/L) Arg. 2.26 2.33 2.41 2.28 2.19 2.27 2.12 2.19 2.25 2.32 Mean Free Cl2 (mg/L) Image: Arg. 0.07 0.07 0.08 0.09 0.10 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Image: Arg. 2.33 2.41 2.49 2.37 2.29 2.37 2.21	Max.	0.1	0.11	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.12	0.12	0.16	
Min. 1.95 1.87 2.09 2.05 2.15 2.02 2.04 1.99 1.88 2.04 2.03 2.02 Maximum Combined Cl2 (mg/L) Avg. 2.33 2.36 2.51 2.43 2.51 2.36 2.26 2.34 2.21 2.27 2.33 2.41 Max. 2.42 2.5 2.84 2.58 2.67 2.53 2.42 2.47 2.52 2.4 2.46 2.55 Mean Combined Cl2 (mg/L) Mean Free Cl2 (mg/L) Z.33 Z.41 Z.49 Z.37 Z.29 Z.37 Z.21 Z.27 Z.32 Z.39	Minimun Combined Cl2 (mg	g/L)												
Maximum Combined Cl2 (mg/L) Avg. 2.33 2.36 2.51 2.43 2.51 2.36 2.26 2.34 2.21 2.27 2.33 2.41 Max. 2.42 2.5 2.84 2.58 2.67 2.53 2.42 2.47 2.52 2.4 2.46 2.55 Mean Combined Cl2 (mg/L) Avg. 2.26 2.29 2.42 2.33 2.41 2.28 2.19 2.27 2.12 2.19 2.25 2.32 Mean Free Cl2 (mg/L) Avg. 0.07 0.07 0.08 0.09 0.10 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Avg. 2.33 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.39									2.20					
Avg. 2.33 2.36 2.51 2.43 2.51 2.36 2.26 2.34 2.21 2.27 2.33 2.41 Max. 2.42 2.5 2.84 2.58 2.67 2.53 2.42 2.47 2.52 2.4 2.46 2.55 Mean Combined Cl2 (mg/L) Avg. 2.26 2.29 2.42 2.33 2.41 2.28 2.19 2.27 2.12 2.19 2.25 2.32 Mean Free Cl2 (mg/L) Avg. 0.07 0.07 0.08 0.09 0.09 0.10 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Avg. 2.33 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.32	Min.	1.95	1.87	2.09	2.05	2.15	2.02	2.04	1.99	1.88	2.04	2.03	2.02	<u> </u>
Avg. 2.33 2.36 2.51 2.43 2.51 2.36 2.26 2.34 2.21 2.27 2.33 2.41 Max. 2.42 2.5 2.84 2.58 2.67 2.53 2.42 2.47 2.52 2.4 2.46 2.55 Mean Combined Cl2 (mg/L) Avg. 2.26 2.29 2.42 2.33 2.41 2.28 2.19 2.27 2.12 2.19 2.25 2.32 Mean Free Cl2 (mg/L) Avg. 0.07 0.07 0.08 0.09 0.09 0.10 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Avg. 2.33 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.32	Maximum Combined CI2 (n	na/L)												
Max. 2.42 2.5 2.84 2.58 2.67 2.53 2.42 2.47 2.52 2.4 2.46 2.55 Mean Combined Cl2 (mg/L) Avg. 2.26 2.29 2.42 2.33 2.41 2.28 2.19 2.27 2.12 2.19 2.25 2.32 Mean Free Cl2 (mg/L) Avg. 0.07 0.31 0.07 0.08 0.09 0.09 0.10 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Avg. 2.33 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.39			2.36	2.51	2.43	2.51	2.36	2.26	2.34	2.21	2.27	2.33	2.41	
Avg. 2.26 2.29 2.42 2.33 2.41 2.28 2.19 2.27 2.12 2.19 2.25 2.32 Mean Free Cl2 (mg/L)														
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Mean Free Cl2 (mg/L) Avg. 0.07 0.31 0.07 0.08 0.09 0.09 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Avg. 2.33 2.36 2.49 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.39			0.00	0.40	0.00	0.11	0.00	0.40	0.07	0.40	0.40	0.05	0.00	
Avg. 0.07 0.31 0.07 0.07 0.08 0.09 0.09 0.09 0.09 0.08 0.07 0.08 Mean Total Cl2 (mg/L) Avg. 2.33 2.36 2.49 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.39	Avg.	2.26	2.29	2.42	2.33	2.41	2.28	2.19	2.27	2.12	2.19	2.25	2.32	
Mean Total Cl2 (mg/L) Avg. 2.33 2.36 2.49 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.39	Mean Fr <u>ee Cl2 (mg/L)</u>													
Avg. 2.33 2.36 2.49 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.39	Avg.	0.07	0.31	0.07	0.07	0.08	0.09	0.09	0.10	0.09	0.08	0.07	0.08	
Avg. 2.33 2.36 2.49 2.41 2.49 2.37 2.29 2.37 2.21 2.27 2.32 2.39	Mean Total CI2 (mg/L)													
		2.33	2.36	2.49	2.41	2.49	2.37	2.29	2.37	2.21	2.27	2.32	2.39	
10						10								