Municipality of Meaford

Leith
Water Distribution System

Summary Report

2024

Leith Distribution System
2024 Summary report

Safe Drinking Water Act

Following the Walkerton tragedy in 2000, the Ontario Government developed a new, comprehensive legislative paradigm based on a source to tap, multi-barrier approach to the protection of drinking water. The Safe Drinking Water Act (SDWA), 2002, and its Regulations, contain requirements for Municipalities that provide potable water to their residents.

Under Section 19 Standard of Care of the SDWA, owners of a Drinking Water System are required to:

a) Exercise the level of care, diligence and skill in respect of a Municipal Drinking Water System that a reasonable prudent person would be expected to exercise in a similar situation; and
b) Act honestly, competently and with integrity, with a view to ensuring the protection and safety of the users of the Municipal Drinking Water System. 2002, c.32, s. 19(1)

Summary Report

Schedule 22 of Ontario Regulation 170/03 requires, for Large Municipal Residential Systems, that a Summary Report be prepared for distribution to Council by March 31, 2025 for the period from January 1 to December 31, 2024.

This regulation also requires the owner produce a Summary Report that includes the following:

- The requirements of the Act, the regulations, the system's 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 and specify the duration of the failure and describe the measures taken to correct the situation.
- A summary of quantities and flow rates of the water supplied during the period covered by the report including monthly average and maximum daily flows
- The summary report must be presented and accepted by Council by March 31st of each year.

A hard copy of the Annual and Summary reports will be made available free of charge at the Meaford Water Plant after March 31st 2025. It will also be available for viewing on the Municipal website www.meaford.ca.

System Information – Leith Distribution System

Municipal Drinking Water Licence –089-102
Municipal Drinking Water Permit – 089-202
Permit to Take Water – N/A – Water received from Owen Sound
Financial Plan – 089-302
Accredited Operational Plan – 089-402

2024 Leith Distribution Flow Summary

	Date	Previous Read	Current Read	Metered Consumption	Billing	Avg per Day Consumption	Actual $	Consumption
	yyyy/mm/dd	m3	m3	m3	Days	m3	per m3	$
Start	2024-01-11		188331					
Actual	2024-04-08	188331	192911	4580	88	52.0	$3.67	$16,807.40
Actual	2024-07-09	192911	197971	5060	92	55.0	$3.69	$18,647.09
Actual	2024-10-03	197971	203123	5152	86	59.9	$3.81	$19,645.08
End	2025-01-09	203123	207960	4837	98	49.4	$3.81	$18,435.48
				19,629	**364**	**54.1**	**$3.74**	**$73,535.05**
				Annual	Total Billing	Annual	Annual	Annual
				Consumption	Days	Avg	Avg	Cost

Leith 2024 Water Inventory

Owen Sound	**19,629**	m3
Leith Residential Meters	**13,931**	m3
Metered Difference	**5698**	m3
Flushing	3010	m3
Analyzer ReCl2 station	262.8	m3
Total	**3272.8**	**m3**
Difference - Total	2425	m3
Waterloss	2425	m3
	19,629	m3
Percent Waterloss	**12.36%**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
January	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.11	1.34	1.23	46	JR
2	1.23	1.39	1.28	34	BW
3	1.17	1.34	1.27	24	BW
4	1.01	1.19	1.04	24	BW
5	1.16	1.43	1.40	24	BW
6	1.23	1.35	1.25	27	BW
7	1.23	1.43	1.39	30	BW
8	1.17	1.31	1.28	25	NE
9	1.19	1.30	1.19	22	NE
10	1.07	1.29	1.26	22	NE
11	1.09	1.25	1.16	23	NE
12	1.13	1.23	1.16	25	NE
13	1.07	1.29	1.07	27	NE
14	1.18	1.29	1.23	29	NE
15	1.16	1.39	1.34	24	JR
16	1.23	1.38	1.32	23	JR
17	1.27	1.49	1.34	25	JR
18	1.30	1.45	1.41	30	JR
19	1.32	1.54	1.50	27	JR
20	1.35	1.46	1.41	29	JR
21	1.33	1.47	1.43	25	JR
22	1.36	1.63	1.61	20	BW
23	1.47	1.67	1.55	18	BW
24	1.41	1.66	1.58	17	BW
25	1.50	1.67	1.54	20	BW
26	1.48	1.62	1.50	32	BW
27	1.42	1.70	1.46	112	BW
28	1.56	1.81	1.77	109	BW
29	1.33	1.80	1.41	104	NE
30	1.39	1.53	1.41	54	NE
31	1.36	1.53	1.50	25	NE
Total				**1030**	
Average			**1.36**	**34**	
MIN	**1.01**			**17**	
MAX		**1.81**		**112**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
February	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.32	1.47	1.43	24	BW
2	1.29	1.38	1.34	26	NE
3	1.17	1.42	1.38	31	NE
4	1.13	1.44	1.32	28	NE
5	1.34	1.65	1.55	26	NE
6	1.38	1.54	1.49	24	NE
7	1.30	1.54	1.37	26	NE
8	1.28	1.48	1.37	26	NE
9	1.13	1.29	1.18	23	BW
10	1.18	1.41	1.31	29	NE
11	1.32	1.56	1.43	28	NE
12	1.18	1.38	1.32	27	BW
13	1.24	1.40	1.36	24	BW
14	1.23	1.37	1.27	24	BW
15	1.14	1.34	1.16	26	BW
16	1.14	1.29	1.18	23	BW
17	1.11	1.34	1.16	35	NE
18	1.20	1.35	1.23	30	NE
19	1.20	1.38	1.30	28	NE
20	1.29	1.44	1.36	25	NE
21	1.29	1.41	1.36	24	NE
22	1.32	1.52	1.50	26	NE
23	1.29	1.47	1.32	26	NE
24	1.29	1.43	1.42	30	NE
25	1.27	1.49	1.44	28	NE
26	1.27	1.40	1.38	24	BW
27	1.29	1.43	1.39	25	TW
28	1.37	1.46	1.40	24	TW
29	1.27	1.46	1.29	23	TW
Total				**739**	
Average			**1.35**	**26**	
MIN	**1.11**			**23**	
MAX		**1.65**		**35**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
March	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.27	1.46	1.38	26	TW
2	1.26	1.47	1.39	28	NE
3	1.37	1.45	1.38	29	NE
4	1.27	1.50	1.48	27	TW
5	1.27	1.41	1.32	26	TW
6	1.19	1.35	1.23	24	TW
7	1.13	1.38	1.14	25	TW
8	1.33	1.43	1.35	26	TW
9	1.38	1.52	1.45	29	NE
10	1.32	1.43	1.38	26	NE
11	1.27	1.37	1.32	29	TW
12	1.26	1.38	1.36	25	TW
13	1.25	1.41	1.27	23	TW
14	1.28	1.42	1.38	28	TW
15	1.23	1.38	1.34	31	NE
16	1.16	1.38	1.25	30	NE
17	1.25	1.38	1.32	33	NE
18	1.12	1.30	1.29	30	TW
19	1.13	1.39	1.23	24	TW
20	1.24	1.35	1.30	25	TW
21	1.23	1.30	1.24	24	TW
22	1.14	1.30	1.20	24	TW
23	1.11	1.33	1.23	25	TW
24	1.21	1.37	1.23	28	TW
25	1.23	1.32	1.26	30	TW
26	1.18	1.31	1.26	25	TW
27	1.07	1.20	1.08	25	TW
28	1.13	1.27	1.24	24	TW
29	1.09	1.35	1.11	29	TW
30	1.16	1.27	1.17	32	TW
31	1.20	1.36	1.27	28	TW
Total				**838**	
Average			**1.29**	**27**	
MIN	**1.07**			**23**	
MAX		**1.52**		**33**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
April	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.21	1.49	1.36	30	TW
2	1.22	1.45	1.25	26	BW
3	1.38	1.49	1.38	25	BW
4	1.14	1.35	1.30	23	BW
5	1.26	1.36	1.32	26	BW
6	1.28	1.43	1.31	28	BW
7	1.31	1.50	1.47	30	BW
8	1.29	1.38	1.34	32	NE
9	1.29	1.45	1.43	23	NE
10	1.26	1.46	1.37	25	NE
11	1.30	1.40	1.31	28	BW
12	1.25	1.46	1.27	24	TW
13	1.21	1.41	1.27	25	NE
14	1.34	1.50	1.40	27	NE
15	1.36	1.50	1.45	30	TW
16	1.34	1.45	1.40	33	TW
17	1.31	1.47	1.39	56	TW
18	1.18	1.43	1.21	60	TW
19	1.33	1.42	1.40	24	TW
20	1.22	1.36	1.32	27	TW
21	1.18	1.41	1.19	30	TW
22	1.18	1.28	1.26	30	TW
23	1.19	1.33	1.29	27	TW
24	1.15	1.32	1.20	23	TW
25	1.20	1.35	1.23	27	TW
26	1.21	1.33	1.26	25	TW
27	1.23	1.40	1.25	26	TW
28	1.19	1.40	1.31	29	TW
29	1.12	1.33	1.32	32	BW
30	1.17	1.35	1.30	29	BW
Total				**880**	
Average			**1.32**	**29**	
MIN	**1.12**			**23**	
MAX		**1.5**		**60**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN Residual	MAX Residual	Actual Free Chlorine Residual	Flow	Initial	
May	(mg/L)	(mg/L)	(mg/L)	**m3**		
2024						
1	0.96	1.30	1.23	31	BW	
2	1.21	1.40	1.35	34	BW	
3	1.24	1.38	1.32	33	BW	
4	1.19	1.41	1.23	36	BW	
5	1.25	1.41	1.30	39	BW	
6	1.23	1.41	1.28	35	NE	
7	1.24	1.58	1.30	234	EH	Hydrant Flushing
8	1.30	1.43	1.35	238	EH	Hydrant Flushing
9	1.24	1.34	1.28	27	NE	
10	1.30	1.40	1.33	27	TW	
11	1.18	1.36	1.25	22	NE	
12	PLC Offline	Residual Onsit	1.12		NE	
13	1.21	1.34	1.32	29	TW	
14	1.20	1.32	1.26	26	TW	
15	1.20	1.35	1.30	27	EV	
16	1.21	1.36	1.31	30	EV	
17	1.24	1.40	1.33	35	TW	
18	1.20	1.40	1.28	58	TW	
19	1.21	1.42	1.38	64	TW	
20	1.32	1.53	1.35	54	TW	
21	1.38	1.53	1.49	35	TW	
22	1.36	1.52	1.44	39	TW	
23	1.36	1.67	1.40	36	TW	
24	1.32	1.54	1.35	32	TW	
25	1.41	1.58	1.43	35	TW	
26	1.36	1.50	1.41	38	TW	
27	1.22	1.44	1.34	29	EV	
28	1.40	1.51	1.45	27	EV	
29	1.34	1.46	1.41	27	EV	
30	1.27	1.41	1.38	31	EV	
31	1.32	1.46	1.42	31	EV	
Total				**1439**		
Average			**1.34**	**48**		
MIN	**0.96**			**22**		
MAX		**1.67**		**238**		

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
June	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.41	1.48	1.45	35	BW
2	1.32	1.53	1.34	31	BW
3	1.32	1.59	1.54	86	EV
4	1.35	1.57	1.48	35	EV
5	1.37	1.51	1.47	28	EV
6	1.40	1.50	1.42	29	EV
7	1.18	1.48	1.33	31	EV
8	1.11	1.28	1.17	34	NE
9	1.25	1.34	1.29	32	NE
10	1.28	1.41	1.32	30	EV
11	1.25	1.40	1.36	34	TW
12	1.30	1.44	1.39	36	TW
13	1.30	4.07	1.40	30	TW
14	1.00	1.36	1.30	32	TW
15	1.18	1.28	1.22	32	TW
16	1.21	1.27	1.25	47	TW
17	1.22	1.32	1.27	35	EV
18	1.25	1.38	1.28	29	EV
19	1.20	1.36	1.23	37	EV
20	1.23	1.34	1.25	36	EV
21	1.27	1.39	1.35	37	EV
22	1.25	1.34	1.25	37	EV
23	1.21	1.32	1.23	34	EV
24	1.27	1.38	1.28	31	TW
25	1.27	1.36	1.28	29	BW
26	1.17	1.35	1.24	29	BW
27	1.21	1.34	1.30	33	BW
28	1.20	1.34	1.26	32	EV
29	1.21	1.32	1.30	42	BW
30	1.23	1.39	1.25	46	BW
Total				**1069**	
Average			**1.32**	**36**	
MIN	**1**			**28**	
MAX		**4.07**		**86**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
July	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.29	1.42	1.40	43	BW
2	1.28	1.36	1.54	35	EV
3	1.26	1.41	1.29	27	BW
4	1.23	1.36	1.27	34	NE
5	1.18	1.31	1.24	31	TW
6	1.16	1.30	1.18	29	NE
7	1.23	1.32	1.29	38	NE
8	1.20	1.28	1.23	33	TW
9	1.14	1.32	1.15	31	TW
10	1.28	1.34	1.30	30	TW
11	1.20	1.32	1.24	31	TW
12	1.16	1.28	1.21	31	TW
13	1.24	1.32	1.30	43	TW
14	1.21	1.29	1.25	38	TW
15	1.21	1.39	1.32	35	EV
16	1.30	1.40	1.34	28	EV
17	1.27	1.36	1.29	29	EV
18	1.16	1.34	1.25	32	EV
19	1.27	1.34	1.29	33	EV
20	1.23	1.40	1.25	46	TW
21	1.21	1.39	1.23	59	TW
22	1.13	1.32	1.16	41	BW
23	1.25	1.34	1.29	32	BW
24	1.24	1.39	1.36	29	BW
25	1.17	1.29	1.20	38	BW
26	1.14	1.36	1.15	44	BW
27	1.31	1.45	1.33	84	BW
28	1.20	1.43	1.30	78	BW
29	1.26	1.41	1.28	39	NE
30	1.21	1.41	1.36	34	NE
31	1.25	1.38	1.34	40	TW
Total				**1195**	
Average			**1.28**	**39**	
MIN	**1.13**			**27**	
MAX		**1.45**		**84**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
August	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.14	1.27	1.18	44	EV
2	1.17	1.40	1.25	41	NE
3	1.30	1.48	1.44	52	NE
4	1.18	1.37	1.29	52	NE
5	1.20	1.39	1.33	41	NE
6	1.27	1.61	1.35	36	TW
7	1.23	1.33	1.25	37	TW
8	1.21	1.38	1.23	40	TW
9	1.03	1.29	1.27	34	TW
10	1.14	1.49	1.16	35	TW
11	1.16	1.42	1.23	35	TW
12	1.30	1.50	1.49	41	EV
13	1.23	1.40	1.27	34	EV
14	1.37	1.49	1.40	45	EV
15	1.35	1.45	1.36	39	EV
16	1.28	1.40	1.29	30	EV
17	1.29	1.38	1.30	36	EV
18	1.31	1.44	1.34	35	EV
19	1.25	1.40	1.28	28	EV
20	1.34	1.45	1.35	29	NE
21	1.31	1.43	1.36	30	BW
22	1.31	1.46	1.19	33	EV
23	1.21	1.36	1.22	39	BW
24	1.22	1.32	1.30	37	BW
25	1.18	1.29	1.20	50	BW
26	1.19	1.28	1.23	35	NE
27	1.20	1.32	1.24	33	NE
28	1.19	1.36	1.30	28	NE
29	1.11	1.24	1.17	29	NE
30	1.16	1.28	1.20	30	NE
31	1.26	1.41	1.29	37	NE
Total				**1145**	
Average			**1.28**	**37**	
MIN	**1.03**			**28**	
MAX		**1.61**		**52**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
September	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.20	1.30	1.21	38	NE
2	1.21	1.43	1.30	48	NE
3	1.25	1.41	1.31	30	EV
4	1.23	1.36	1.30	27	EV
5	1.22	1.40	1.25	33	EV
6	1.14	1.35	1.23	27	EV
7	1.21	1.31	1.29	29	EV
8	1.16	1.29	1.23	34	EV
9	1.19	1.32	1.24	26	BW
10	1.25	1.39	1.38	28	BW
11	1.17	1.27	1.19	25	BW
12	1.14	1.32	1.27	30	NE
13	1.16	1.30	1.26	30	BW
14	1.19	1.27	1.25	29	BW
15	1.19	1.34	1.24	54	BW
16	1.19	1.32	1.26	28	NE
17	1.23	1.31	1.26	27	NE
18	1.19	1.32	1.25	31	NE
19	1.14	1.30	1.23	31	NE
20	1.25	1.32	1.27	28	EV
21	1.19	1.40	1.23	44	NE
22	1.23	1.38	1.27	36	NE
23	1.28	1.38	1.29	27	EV
24	1.30	1.39	1.35	28	EV
25	1.21	1.36	1.29	26	BW
26	1.23	1.36	1.34	35	BW
27	1.23	1.32	1.27	27	EV
28	1.19	1.32	1.27	32	EV
29	1.16	1.34	1.27	36	EV
30	1.16	1.30	1.22	45	BW
Total				**969**	
Average			**1.27**	**32**	
MIN	**1.14**			**25**	
MAX		**1.43**		**54**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
October	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.16	1.29	1.21	26	BW
2	1.19	1.30	1.27	25	BW
3	1.18	1.26	1.22	27	BW
4	1.17	1.30	1.29	37	NE
5	1.18	1.30	1.24	31	NE
6	1.20	1.30	1.23	31	NE
7	1.27	1.36	1.32	26	NE
8	1.14	1.34	1.27	26	NE
9	1.15	1.22	1.18	32	NE
10	1.18	1.36	1.27	27	NE
11	1.17	1.29	1.24	29	NE
12	1.16	1.27	1.18	31	NE
13	1.19	1.32	1.29	43	NE
14	1.19	1.29	1.23	39	NE
15	1.19	1.31	1.21	28	BW
16	1.20	1.34	1.23	26	NE
17	1.18	1.35	1.27	28	EV
18	1.20	1.31	1.29	28	BW
19	1.18	1.33	1.27	29	EV
20	1.15	1.31	1.29	35	EV
21	1.18	1.47	1.37	29	BW
22	1.31	1.48	1.46	27	BW
23	1.33	1.48	1.47	27	BW
24	1.36	1.47	1.44	31	BW
25	1.32	1.46	1.41	24	EV
26	1.36	1.52	1.43	28	BW
27	1.34	1.51	1.41	28	BW
28	1.32	1.42	1.36	27	NE
29	1.37	1.47	1.41	27	NE
30	1.30	1.45	1.34	29	NE
31	1.30	1.45	1.43	29	EV
Total				**910**	
Average			**1.31**	**29**	
MIN	**1.14**			**24**	
MAX		**1.52**		**43**	

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN Residual	MAX Residual	Actual Free Chlorine Residual	Flow	Initial	
November	(mg/L)	(mg/L)	(mg/L)	**m3**		
2024						
1			1.31		EV	PLC Off line
2			1.42		NE	PLC Off line
3	Recorded Onsite		1.40		NE	PLC Off line
4			1.10		BW	PLC Off line
5			1.53		BW	PLC Off line
6			1.35		BW	PLC Off line
7	1.37	1.50			BW	PLC back online
8	1.38	1.49	1.39	32	NE	
9	1.39	1.54	1.52	43	NE	
10	1.42	1.58	1.52	43	NE	
11	1.41	1.52	1.44	23	NE	
12	1.37	1.49	1.40	26	BW	
13	1.41	1.53	1.50	25	EV	
14	1.41	1.59	1.45	25	BW	
15	1.43	1.54	1.45	23	BW	
16	1.44	1.52	1.48	27	BW	
17	1.40	1.52	1.45	29	BW	
18	1.40	1.56	1.51	28	TN	
19	1.35	1.54	1.47	24	TN	
20	1.29	1.50	1.44	24	TN	
21	1.31	1.40	1.33	23	TN	
22	1.32	1.42	1.37	22	TN	
23	1.28	1.36	1.34	25	NE	
24	1.28	1.37	1.29	25	NE	
25	1.20	1.58	1.35	127	TN	Fire in Leith
26	1.14	1.63	1.44	53	TN	Fire in Leith
27	1.41	1.52	1.48	25	TN	
28	1.36	1.46	1.41	25	BW	
29	1.38	1.49	1.45	22	NE	
30	1.24	1.40	1.37	27	EV	
Total				**746**		
Average			**1.41**	**32**		
MIN	**1.14**			**22**		
MAX		**1.63**		**127**		

DISTRIBUTION SYSTEM CHLORINE RESIDUALS (LEITH)

Date	MIN	MAX	Actual Free Chlorine	Flow	Initial
	Residual	Residual	Residual		
December	(mg/L)	(mg/L)	(mg/L)	**m3**	
2024					
1	1.23	1.37	1.27	27	EV
2	1.21	1.34	1.29	23	TN
3	1.22	1.41	1.29	25	TN
4	1.32	1.42	1.32	23	TN
5	1.27	1.37	1.31	23	TN
6	1.28	1.40	1.32	23	TN
7	1.30	1.43	1.34	27	BW
8	1.32	1.42	1.33	26	BW
9	1.32	1.43	1.38	24	NE
10	1.27	1.42	1.37	25	TN
11	1.29	1.43	1.34	23	TN
12	1.30	1.40	1.30	24	NE
13	1.27	1.34	1.30	24	TN
14	1.29	1.39	1.34	27	NE
15	1.24	1.38	1.26	30	NE
16	1.29	1.49	1.45	25	TN
17	1.30	1.45	1.41	24	TN
18	1.21	1.45	1.37	23	TN
19	1.10	1.27	1.16	27	TN
20	1.20	1.41	1.23	24	TN
21	1.29	1.53	1.36	28	EV
22	1.17	1.35	1.25	32	EV
23	0.98	1.38	1.06	22	TN
24	0.92	1.29	1.14	21	BW
25	1.18	1.39	1.29	21	BW
26	1.19	1.29	1.20	19	BW
27	1.17	1.32	1.18	19	TN
28	1.14	1.30	1.24	25	EV
29	1.04	1.16	1.10	25	BW
30	1.11	1.43	1.18	25	NE
31	1.14	1.40	1.34	27	NE
Total				**761**	
Average			**1.28**	**25**	
MIN	**0.92**			**19**	
MAX		**1.53**		**32**	

Annual Summary-Distribution Bacteriological Data

WATER WORKS NAME:	Leith Water Distribution
YEAR	2024
SERVICE POPULATION	382.8
LABORATORIES WHICH PERFORMED ANALYSES	SGS Laboratory

MONTH	TOTAL COLIFORM			ESCHERICHIA COLI. (E. Coli)			H.P.C.			
	# of samples collected	# of samples safe	# of samples unsafe	# of samples collected	# of samples safe	# of samples unsafe	# of samples collected	# of samples safe	# of samples unsafe	Max
JAN.	11	11	0	11	11	0	5	5	0	1
FEB.	9	9	0	9	9	0	4	4	0	0
MAR.	9	9	0	9	9	0	4	4	0	1
APR.	11	11	0	11	11	0	5	5	0	0
MAY	9	9	0	9	9	0	4	4	0	0
JUN.	9	9	0	9	9	0	4	4	0	1
JUL.	11	11	0	11	11	0	5	5	0	1
AUG.	9	9	0	9	9	0	4	4	0	1
SEPT.	9	9	0	9	9	0	4	4	0	1
OCT.	11	11	0	11	11	0	5	5	0	0
NOV.	9	9	0	9	9	0	4	4	0	1
DEC.	11	11	0	11	11	0	5	5	0	0
TOTAL	**118**	**118**	**0**	**118**	**118**	**0**	**53**	**53**	**0**	1

Indicators of adverse water quality

If any of the following conditions exist,the drinking water is judged unsafe:

1. Eschericia coli and/or fecal coliforms are detected in any required sample other than raw water sample.
2. Total coliforms are detected in any required sample other than raw water sample.
3. Unchlorinated water is directed to the distribution system,where chlorination is used or required.
   This includes water in the distribution system,which has less than 0.05 mg/l of free chlorine residual when tested.

HPC % of Total Samples
45 %

If the water containing indicators of unsafe water quality for any of the reasons listed above, the laboratory will immediately notify the M.O.E. District Officer, M.O.E. Spills Action Centre, the local Medical Officer of Health and the owner / operator to initiate collection of special samples and or corrective action.
In addition the owner / operator must notify the M.O.E. Spills Action Centre and the local Medical Officer of Health when they become aware of an adverse water quality condition.

Annual Summary- THM's, Lead

WATER WORKS NAME: Leith Water Distribution
YEAR 2024
SERVICE POPULATION 382.8
LABORATORIES WHICH PERFORMED ANALYSES SGS Laboratory

MONTH	DISTRIBUTION WATER Trihalomethanes (THM's)								
	NO. OF SAMPLES COLLECTED	THM's (ug/L)	Lead		Alkalinity		pH		HAA's (ug/L)
JAN.									
FEB.	1	32							16.7
MAR.	2		0.12	0.04	82	92	7.01	6.96	
APR.									
MAY	1	35							15
JUN.									
JUL.									
AUG.	1	44							18.7
SEPT.	2		8.41	0.68	71	73	7.36	7.29	
OCT.									
NOV.	1	50							18
DEC.									
		161						14.25	
RAA		40.3							17.1
MAC		100							80

8.85093168

MAC = Maximum Acceptable Concentration