



# **Village of Oil Springs**

## **Water Distribution**

**2023**

**Annual Summary Report  
Prepared By:**

**Jacobs**

This summary report has been prepared by **OMI (Jacobs)** for the Village of Oil Springs. The purpose of the report is to meet the requirements of the Safe Drinking Water Act, 2002 and Ontario Regulation 170/03, Schedule 22, which requires that a Summary Report be prepared each year no later than March 31<sup>st</sup> and given to the municipal council in the case of a drinking water system owned by a municipality. Schedule 22-2(1)

The report summarizes the water quality information for the Oil Springs Water Distribution System, for the period of **January 1, 2023, to December 31, 2023.**

The Oil Springs Water Distribution System is categorized as a Large Municipal Residential Drinking Water System. **Water Works # 260046761.**

The MECP Inspection for the Oil Springs Water Distribution System was conducted July 13, 2023.

The overall MECP Inspection rating for 2023 was 100%.

### **Statement of Compliance:**

The Oil Springs Water Distribution System is operated and maintained by **Jacobs** on behalf of The Village of Oil Springs. The water supplied to the consumers serviced by the system follow the requirements of the Safe Drinking Water Act, all applicable regulations made in accordance with the Act, the Municipal Drinking Water Works Permit Number: 251-20, Issue Number: 3 (Jan 6/2022) and the Municipal Drinking Water License Number: 251-101, Issue Number: 4 (Jan 6/2022)

### **AWQI # 161-105**

There was one (1) Adverse Water Quality Incidents during 2023. January 6, 2023 – A small leak was identified on the pressure valve in the Enniskillen Reservoir's valve chamber. Isolated the valve chamber to perform repair. A short time after Oil springs Public Works notified Jacobs that some residences were out of water. Enniskillen Public Works opened the valve and restored feed to the Oil Springs WDS. OMI Operator contacted MECP and discussed. This was a "loss of water" Incident. Dead-end hydrants were flushed, Bacteriological samples were collected, and chlorine residuals were analyzed.

### **Review of Distribution system:**

The Village of Oil Springs is the Owner of the distribution system with 298 services that directly supplies a population of approximately 698 residents. The piping for the distribution system consists of a 50 mm to a 300 mm diameter water main. This includes fire hydrants, blow offs at dead ends, main isolation valves and residential services (curb stops).

The Oil Springs system is connected to the Township of Enniskillen Water Distribution System. Pressurized water is purchased from & supplied by the Township of Enniskillen via two (2) meter chambers.

There are no chemicals added to the system by The Village of Oil Springs. Immediately upstream of the system, the Township of Enniskillen provides re-chlorination with a 12% chlorine solution of sodium hypochlorite injected into the Influent flow at the Enniskillen Reservoir and again when leaving the Reservoir, upon entering the Oil Springs WDS. The Enniskillen Reservoir has in-line chlorine analyzers and pressure monitoring equipment with 24/7 alarm monitoring capabilities.

Oil Springs Water Distribution System follows O. Reg 170/03 section 7-2 (3) & (4) for its sampling protocol. The Operating Authority collects seven (7) samples per week (4/3 rule)

The distribution system for The Village Oil Springs has qualified for a reduced Lead sampling schedule. Lead sampling was conducted on April 5<sup>th</sup> and Oct 4<sup>th</sup> of 2022, at both dead-end Hydrants - # 38 located on Gypsie Flatt Rd and # 36 located on Plank Rd. Lead sampling is to commence again in 2025.

System pressure is checked weekly at the Municipal Office by the Operating Authority's Operators and documented in logbook.

### **Repairs & Maintenance:**

- WD Hydrants were flushed in May & November
- January 6<sup>th</sup> – Repairs to the Pressure Regulator at the Enniskillen Reservoir
- March 21<sup>st</sup> – Plumber/Developer installed a new service at 2605 Gypsie Flatt Rd.
- March 21<sup>st</sup> – Plumber/Developer installed a new service at 4790 Oil Springs Line
- April 24<sup>th</sup> – Gilliard Drainage installed a new service on Bruce St (Brian Wagner)
- July 7<sup>th</sup> – Hydrant # 9 was repaired.
- August 2<sup>nd</sup> – Sentury Fire performed Fire Flow testing on ½ of the WDS hydrants.
- October – Water Distribution Isolation Valves were exercised.
- October 10<sup>th</sup> – Smit Excavating installed a water line to 4754 Anneline St
- December 7<sup>th</sup> – Gilliard Drainage straightened/repaired valve boxes (69, 71) at Meadowview.
- December 20<sup>th</sup> – Gilliard Drainage installed a sample station at the Museum (2423 Kelly Rd)
- December 21<sup>st</sup> Gilliard Drainage installed a sample station at 4898 Oil Springs Line

### **Water Meters replaced:**

- 4480 Oil Springs Line
- 4764 Oil Springs Line
- 4517 Oil Springs Line
- 4540 Victoria St.
- 4544 James St.
- Creamery Apartments
- 2586 Elizabeth Street (Plympton-Plumbing installed)

### **Complaints:**

- Jan 6<sup>th</sup> – several residences called the Municipal Office regarding “no water.”

### **Health Samples:**

Health samples include tests for the presence of E-coli, Total Coliforms & HPC (Heterotrophic Plate Count) Any presence of E-coli or Total Coliforms would be considered adverse and must be reported. Samples are collected and analyzed weekly. Free Chlorine analysis is also performed at each site when collecting the health samples.

### **Sample Locations in the WDS:**

1. **Sample Station # 1** (behind Museum - 2423 Kelly Rd)
2. **Sample Station # 2** (4898 Oil Springs Line - by valve chamber)
3. **Black Creek Golf Course** (4360 South Plank Rd)
4. **Main Pump Station** (2601 Fredrick St)
5. **Hydrant # 34** (Meadowview Estates)
6. **Oil Springs Youth Centre** (4517 Victoria St.)
7. **Oil Springs Municipal Office** (4591 Oil Springs Line)
8. **Oil Springs Community Hall** (4596 Oil Springs Line)
9. **Hydrant # 38** (Gypsie Flat - Dead-end)

Chlorine residual results less than 0.20 mg/L are of concern and results less than 0.05 mg/L are considered adverse and must be reported. Chlorine residuals collected during sampling ranged from: **highest at 2.08 mg/L on Jan 4<sup>th</sup> at Main Pump station and the lowest at 0.39 mg/L on Sept 12<sup>th</sup> at the Oil Springs Museum**

Health samples for HPC (Heterotrophic Plate Count) ranged from: **< 10 cfu/mL to 30 cfu/mL.**

The THM (Trihalomethane) samples were collected on Jan 10<sup>th</sup> at hydrant # 38 (Gypsie Flat Rd) and then on April 4<sup>th</sup>, July 11<sup>th</sup>, Oct 11<sup>th</sup> at the Oil Springs Museum (furthest point in system)

The HAA (Haloacetic Acid) samples were collected at Hydrant # 34: (closest to the Chlorine injection) on Jan 10<sup>th</sup>, April 4<sup>th</sup>, July 11<sup>th</sup>, Oct 11<sup>th</sup>.

**2023 Water purchased from Enniskillen Township (m3)**

Month	Oil Heritage Road water meter	Oil Springs Line water meter	Monthly Total
January	5527	317	5844
February	3842	328	4170
March	3644	324	3968
April	3332	853	4185
May	2677	2270	4947
June	3187	2840	6027
July	2209	2904	5113
August	1860	2663	4523
September	1998	2936	4934
October	2068	2684	4752
November	2585	2246	4831
December	3123	1319	4442
<b>2023 Annual Total</b>			<b>57736</b>
<b>Monthly Average</b>			<b>4811</b>
<b>Daily Average</b>			<b>158</b>

The total amount purchased includes water sold to customers within the Oil Springs Distribution System and other uses, including hydrant flushing, fire flows, watering flowers, new watermain construction, repairs to watermain, flushing lines & water mains during compliance sampling / residual analysis.

Water Purchased		Water Loss Factor	
Year	Amount Purchased	Year	Loss Factor %
2023	57,736	2023	16.76
2022	54,595	2022	13.71
2021	51,399	2021	7.46
2020	51,219	2020	11.47
2019	45,595	2019	6.65
2018	47,235	2018	7.76
2017	46,167	2017	5.27
2016	50,751	2016	7.58
2015	50,959	2015	6.64
2014	49,823	2014	8.61
2013	49,230	2013	3.91

The agreement with the Township of Enniskillen provides for the supply of water for an ultimate population of 1200 in the Village of Oil Springs. The estimates of water consumption are based on a 66 imp. gallons/capita/day (0.3 m3/capita/day) for a population of 1200, the average daily consumption is 79,000 imp. gallons/day (359 m3/day) with an average flow rate of 55 imp.8.21 gpm (0.25 m3/min) Maximum daily flow rate of 138 imp gpm (0.63 m3/min) and a peak hourly flow 8.81rate of 206 imp gpm (0.94 m3/min)6.63

**Oil Springs WD Residuals & Lab Analysis**  
Jan-23

DD - Derek Daly  
CC - Cathy Culnan

		Date	Time	Operator	Sampling Location	Chlorine Residual	E. coli	Total Coliform	HPC	HAA	THM	pH	Alkalinity	Lead
						mg/L	cfu/1 mL	cfu/1 mL	ug/L	ug/L	ug/L		mg/L	ug/L
Week 1	Set 1	Jan 4th	7:45 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.97	0	0	< 10					
		Jan 4th	7:55 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.90								
		Jan 4th	7:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.95	0	0	< 10					
		Jan 4th	8:10 AM	DD	Main Pump Station (2601 Fredrick Street)	2.08								
	Set 2	Jan 6th	9:30 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.68								
		Jan 6th	9:15 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.82								
Jan 6th		8:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.96									
Week 2	Set 1	Jan 10th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.71								
		Jan 10th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.50	0	0						
		Jan 10th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.45	0	0						
		Jan 10th	8:00 AM	DD	Hydrant # 38 (Gypsie Flatt)	1.83					36			
		Jan 10th	8:35 AM	DD	Hydrant # 34 (Meadowview)	1.70				18.8				
		Jan 10th	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.77								
	Set 2	Jan 13th	11:45 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.65								
		Jan 13th	11:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.60								
		Jan 13th	11:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.69								
	Week 3	Set 1	Jan 17th	8:35 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.82	0	0					
Jan 17th			8:15 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.47								
Jan 17th			8:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.62	0	0						
Jan 17th			8:00 AM	CC	Main Pump Station (2601 Fredrick Street)	1.71								
Set 2		Jan 20th	7:40 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.52								
		Jan 20th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.97								
	Jan 20th	7:20 AM	DD	Main Pump Station (2601 Fredrick Street)	1.78									
Week 4	Set 1	Jan 24th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.84								
		Jan 24th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.74	0	0						
		Jan 24th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.90								
		Jan 24th	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.80								
	Set 2	Jan 27th	9:30 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.77								
		Jan 27th	9:10 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.82								
Jan 27th		8:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.73									
Week 5	Set 1	Jan 31st	7:55 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.73								
		Jan 31st	8:05 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.67								
		Jan 31st	7:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.79	0	0						
		Jan 31st	8:20 AM	DD	Main Pump Station (2601 Fredrick Street)	1.80								
	Set 2				Oil Springs Community Hall (4596 Oil Springs Line)									
					Oil Springs Youth Centre (4517 Victoria Street)									
				Main Pump Station (2601 Fredrick Street)										

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Oil Springs WD Residuals & Lab Analysis  
Feb-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	
Week 1	Set 1			Oil Springs Municipal Office (4591 Oil Springs Line)										
				Oil Springs Community Hall (4596 Oil Springs Line)										
				Oil Springs Youth Centre (4517 Victoria Street)										
				Main Pump Station (2601 Fredrick Street)										
	Set 2	Feb 3rd	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.67								
		Feb 3rd	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.60								
		Feb 3rd	7:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.78								
Week 2	Set 1	Feb 7th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.78	0	0	< 10					
		Feb 7th	7:50 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.54								
		Feb 7th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.63	0	0	< 10					
		Feb 7th	7:35 AM	DD	Main Pump Station (2601 Fredrick Street)	1.69								
	Set 2	Feb 10th	6:50 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.82								
		Feb 10th	7:05 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.55								
		Feb 10th	6:20 AM	CC	Main Pump Station (2601 Fredrick Street)	1.84								
Week 3	Set 1	Feb 14th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.87								
		Feb 14th	7:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.57	0	0						
		Feb 14th	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.86	0	0						
		Feb 14th	7:40 AM	DD	Main Pump Station (2601 Fredrick Street)	1.62								
	Set 2	Feb 17th	7:45 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.68								
		Feb 17th	7:30 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.62								
		Feb 17th	8:10 AM	CC	Main Pump Station (2601 Fredrick Street)	1.77								
Week 4	Set 1	Feb 22nd	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.73	0	0						
		Feb 22nd	7:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.49								
		Feb 22nd	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.82	0	0						
		Feb 22nd	7:40 AM	DD	Main Pump Station (2601 Fredrick Street)	1.65								
	Set 2	Feb 24th	8:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.58								
		Feb 24th	7:50 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.67								
		Feb 24th	8:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.64								
Week 5	Set 1	Feb 28th	7:45 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.45								
		Feb 28th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.52	0	0						
		Feb 28th	7:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.49	0	0						
		Feb 28th	8:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.63								
	Set 2				Oil Springs Community Hall (4596 Oil Springs Line)									
					Oil Springs Youth Centre (4517 Victoria Street)									
					Main Pump Station (2601 Fredrick Street)									

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Oil Springs WD Residuals & Lab Analysis

Mar-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	
Week 1	Set 1			Oil Springs Municipal Office (4591 Oil Springs Line)										
				Oil Springs Community Hall (4596 Oil Springs Line)										
				Oil Springs Youth Centre (4517 Victoria Street)										
				Main Pump Station (2601 Fredrick Street)										
	Set 2	Mar 2nd	10:20 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.51								
		Mar 2nd	10:05 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.62								
		Mar 2nd	10:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.66								
Week 2	Set 1	Mar 7th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.69								
		Mar 7th	7:50 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.57	0	0	< 10					
		Mar 7th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.66	0	0	< 10					
		Mar 7th	7:35 AM	DD	Main Pump Station (2601 Fredrick Street)	1.63								
	Set 2	Mar 9th	12:55 PM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.62								
		Mar 9th	12:40 PM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.47								
		Mar 9th	1:15 PM	CC	Main Pump Station (2601 Fredrick Street)	1.58								
Week 3	Set 1	Mar 14th	8:05 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.56								
		Mar 14th	8:40 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.35	0	0						
		Mar 14th	8:20 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.60	0	0						
		Mar 14th	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.68								
	Set 2	Mar 17th	9:00 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.54								
		Mar 17th	8:45 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.62								
		Mar 17th	9:30 AM	CC	Main Pump Station (2601 Fredrick Street)	1.65								
Week 4	Set 1	Mar 21st	8:10 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.54								
		Mar 21st	8:40 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.20	0	0						
		Mar 21st	8:25 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.46	0	0						
		Mar 21st	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.53								
	Set 2	Mar 23rd	10:00 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.49								
		Mar 23rd	9:40 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.53								
		Mar 23rd	10:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.56								
Week 5	Set 1	Mar 28th	7:15 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.38								
		Mar 28th	8:45 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.23	0	0						
		Mar 28th	7:00 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.41	0	0						
		Mar 28th	7:40 AM	CC	Main Pump Station (2601 Fredrick Street)	1.48								
	Set 2	Mar 31st	9:30 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.55								
		Mar 31st	10:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.56								
		Mar 31st	9:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.58								

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Revision: March/2023

Oil Springs WD Residuals & Lab Analysis  
Apr-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	
Week 1	Set 1	April 4th	7:40 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.55								
		April 4th	8:40 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.31	0	0	< 10		37	7.27	79	
		April 4th	7:15 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.28	0	0	< 10					
		April 4th	8:15 AM	CC	Hydrant # 34 (Meadowview)	1.42				23		7.29	81	
		April 4th	7:00 AM	CC	Main Pump Station (2601 Fredrick Street)	1.46								
	Set 2	April 6th	10:00 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.60								
		April 6th	9:45 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.53								
		April 6th	10:25 AM	CC	Main Pump Station (2601 Fredrick Street)	1.63								
Week 2	Set 1	April 12th	7:30 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.32								
		April 12th	8:40 AM	DD	Community Hall ( ?? Oil Springs Line)	1.26	0	0						
		April 12th	7:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.36	0	0						
		April 12th	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.35								
	Set 2	Apr 14th	11:40 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.34								
		Apr 14th	11:25 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.31								
		Apr 14th	12:25 PM	CC	Main Pump Station (2601 Fredrick Street)	1.49								
Week 3	Set 1	Apr 17th	1:30 PM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.40								
		Apr 17th	12:55 PM	CC	Oil Springs Museum (2423 Kelly Rd)	1.15	0	0						
		Apr 17th	1:15 PM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.26	0	0						
		Apr 17th	12:30 PM	CC	Main Pump Station (2601 Fredrick Street)	1.41								
	Set 2	Apr 20th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.20								
		Apr 20th	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.35								
		Apr 20th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.31								
Week 4	Set 1	Apr 25th	7:30 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.83								
		Apr 25th	8:40 AM	DD	Oil Springs Museum (2423 Kelly Rd)	0.75	0	0						
		Apr 25th	8:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.55	0	0						
		Apr 25th	7:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.48								
	Set 2	Apr 28th	7:00 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.46								
		Apr 28th	6:35 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.38								
		Apr 28th	6:20 AM	CC	Main Pump Station (2601 Fredrick Street)	1.41								
Week 5	Set 1				Oil Springs Municipal Office (4591 Oil Springs Line)									
					Oil Springs Museum (2423 Kelly Rd)									
					Oil Springs Youth Centre (4517 Victoria Street)									
					Main Pump Station (2601 Fredrick Street)									
	Set 2				Oil Springs Municipal Office (4591 Oil Springs Line)									
					Oil Springs Youth Centre (4517 Victoria Street)									
				Main Pump Station (2601 Fredrick Street)										

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Revision: March/2023

**Oil Springs WD Residuals & Lab Analysis**  
May-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual	E. coli	Total Coliform	HPC	HAA	THM	pH	Alkalinity	Lead
					mg/L	cfu/1 mL	cfu/1 mL	ug/L	ug/L	ug/L		mg/L	ug/L
Week 1	Set 1	May 2nd	7:45 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.56							
		May 2nd	8:40 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.11	0	0	< 10				
		May 2nd	8:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.60	0	0	< 10				
		May 2nd	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.60							
	Set 2	May 5th	7:30 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.77							
		May 5th	7:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.68							
May 5th		7:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.61								
Week 2	Set 1	May 9th	7:45 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.63							
		May 9th	8:35 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.10	0	0					
		May 9th	8:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.65	0	0					
		May 9th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.62							
	Set 2	May 11th	8:20 PM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.72							
		May 11th	8:05 PM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.66							
May 11th		8:35 PM	CC	Main Pump Station (2601 Fredrick Street)	1.77								
Week 3	Set 1	May 16th	7:30 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.60							
		May 16th	8:50 AM	CC	Oil Springs Museum (2423 Kelly Rd)	0.92	0	0					
		May 16th	8:00 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.63	0	0					
		May 16th	7:15 AM	CC	Main Pump Station (2601 Fredrick Street)	1.77							
	Set 2	May 19th	6:25 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.59							
		May 19th	6:45 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.61							
May 19th		6:10 AM	CC	Main Pump Station (2601 Fredrick Street)	1.65								
Week 4	Set 1	May 24th	7:35 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.47							
		May 24th	8:05 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.44							
		May 24th	7:50 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.54	0	0					
		May 24th	7:20 AM	DD	Main Pump Station (2601 Fredrick Street)	1.41							
	Set 2	May 26th	9:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.57							
		May 26th	9:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.53							
May 26th		9:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.50								
Week 5	Set 1	May 30th	7:00 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.53							
		May 30th	7:15 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.36							
		May 30th	7:30 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.58	0	0					
		May 30th	6:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.50							
	Set 2				CC	Oil Springs Municipal Office (4591 Oil Springs Line)							
					CC	Oil Springs Youth Centre (4517 Victoria Street)							
				CC	Main Pump Station (2601 Fredrick Street)								

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Revision: March/2023

**Oil Springs WD Residuals & Lab Analysis**  
Jun-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual	E. coli	Total Coliform	HPC	HAA	THM	pH	Alkalinity	Lead	
					mg/L	cfu/1 mL	cfu/1 mL	ug/L	ug/L	ug/L		mg/L	ug/L	
Week 1	Set 1			Oil Springs Municipal Office (4591 Oil Springs Line)										
				Oil Springs Museum (2423 Kelly Rd)										
				Oil Springs Youth Centre (4517 Victoria Street)										
				Main Pump Station (2601 Fredrick Street)										
	Set 2	June 2nd	7:30 AM	CC	Black Creek Golf Course (4360 South Plank Road)	1.48								
		June 2nd	7:10 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.50								
		June 2nd	6:55 AM	CC	Main Pump Station (2601 Fredrick Street)	1.55								
Week 2	Set 1	June 6th	7:30 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.49								
		June 6th	8:45 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.03	0	0	< 10					
		June 6th	7:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.51	0	0	< 10					
		June 6th	7:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.53								
	Set 2	June 9th	7:25 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.39								
		June 9th	7:10 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.37								
		June 9th	7:40 AM	DD	Main Pump Station (2601 Fredrick Street)	1.43								
Week 3	Set 1	June 13th	7:30 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.33								
		June 13th	8:30 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.00	0	0						
		June 13th	7:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.49	0	0						
		June 13th	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.36								
	Set 2	June 16th	8:10 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.23								
		June 16th	7:55 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.42								
		June 16th	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.44								
Week 4	Set 1	June 20th	7:40 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.49								
		June 20th	8:50 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.08	0	0						
		June 20th	7:25 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.46	0	0						
		June 20th	8:00 AM	CC	Main Pump Station (2601 Fredrick Street)	1.55								
	Set 2	June 23rd	9:30 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.34								
		June 23rd	10:10 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.46								
		June 23rd	9:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.46								
Week 5	Set 1	June 27th	7:25 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.38								
		June 27th	8:45 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.03	0	0						
		June 27th	7:55 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.35	0	0						
		June 27th	7:05 AM	CC	Main Pump Station (2601 Fredrick Street)	1.51								
	Set 2	June 29th	12:50 PM	CC	Black Creek Golf Course (4360 South Plank Road)	1.53								
		June 29th	11:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.41								
		June 29th	12:30 PM	CC	Main Pump Station (2601 Fredrick Street)	1.71								

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Revision: March/2023

**Oil Springs WD Residuals & Lab Analysis**  
Jul-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L
Week 1	Set 1	July 5th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.42							
		July 5th	8:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.33	0	0	< 10				
		July 5th	7:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.45	0	0	< 10				
		July 5th	7:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.42							
	Set 2	July 7th	9:15 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.34							
		July 7th	8:55 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.46							
July 7th		8:40 AM	DD	Main Pump Station (2601 Fredrick Street)	1.46								
Week 2	Set 1	July 11th	7:45 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.44							
		July 11th	8:40 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.17	0	0			62		
		July 11th	8:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.47	0	0					
		July 11th	8:50 AM	DD	Hydrant # 34 (Meadowview)	1.52				20.9			
		July 11th	8:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.46							
	Set 2	July 13th	12:20 PM	CC	Black Creek Golf Course (4360 South Plank Road)	1.40							
July 13th		11:30 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.39								
July 13th		11:55 AM	CC	Main Pump Station (2601 Fredrick Street)	1.47								
Week 3	Set 1	July 18th	8:10 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.42							
		July 18th	9:10 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.40	0	0					
		July 18th	8:45 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.47	0	0					
		July 18th	8:25 AM	CC	Main Pump Station (2601 Fredrick Street)	1.50							
	Set 2	July 21st	7:45 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.34							
		July 21st	7:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.28							
July 21st		7:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.32								
Week 4	Set 1	July 25th	7:50 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.14							
		July 25th	8:45 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.02	0	0					
		July 25th	8:25 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.19	0	0					
		July 25th	8:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.23							
	Set 2	July 28th	8:10 AM	CC	Black Creek Golf Course (4360 South Plank Road)	1.24							
		July 28th	7:10 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.28							
July 28th		7:30 AM	CC	Main Pump Station (2601 Fredrick Street)	1.23								
Week 5	Set 1				Oil Springs Municipal Office (4591 Oil Springs Line)								
					Oil Springs Museum (2423 Kelly Rd)								
					Oil Springs Youth Centre (4517 Victoria Street)								
					Main Pump Station (2601 Fredrick Street)								
	Set 2				Black Creek Golf Course (4360 South Plank Road)								
					Oil Springs Youth Centre (4517 Victoria Street)								
				Main Pump Station (2601 Fredrick Street)									

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Revision: March/2023

Oil Springs WD Residuals & Lab Analysis  
Aug-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	Lab Report Received	Init.	
Week 1	Set 1	Aug 1st	7:30 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.27								Aug 4th	CC	
		Aug 1st	8:50 AM	CC	Oil Springs Museum (2423 Kelly Rd)	0.74	0	0	< 10							
		Aug 1st	7:15 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.31	0	0	< 10							
		Aug 1st	7:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.21										
	Set 2	Aug 3rd	11:10 AM	CC	Black Creek Golf Course (4360 South Plank Road)	1.39										
		Aug 3rd	10:30 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.30										
		Aug 3rd	10:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.26										
	Week 2	Set 1	Aug 9th	7:25 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.29								Aug 16th	CC
Aug 9th			7:15 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.18	0	0								
Aug 9th			7:40 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.32	0	0								
Aug 9th			7:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.39										
Set 2		Aug 11th	11:30 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.20										
		Aug 11th	11:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.18										
		Aug 11th	12:00 PM	DD	Main Pump Station (2601 Fredrick Street)	1.47										
Week 3		Set 1	Aug 15th	6:35 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.39								Aug 18th	CC
	Aug 15th		6:20 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.38	0	0								
	Aug 15th		6:45 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.46	0	0								
	Aug 15th		6:05 AM	CC	Main Pump Station (2601 Fredrick Street)	1.50										
	Set 2	Aug 17th	11:45 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.30										
		Aug 17th	12:15 PM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.23										
		Aug 17th	11:30 AM	CC	Main Pump Station (2601 Fredrick Street)	1.35										
	Week 4	Set 1	Aug 22nd	6:30 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.39								Aug 25th	CC
Aug 22nd			7:15 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.49										
Aug 22nd			6:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.44	0	0								
Aug 22nd			6:15 AM	CC	Main Pump Station (2601 Fredrick Street)	1.41										
Set 2		Aug 24th	1:15 PM	CC	Black Creek Golf Course (4360 South Plank Road)	1.32										
		Aug 24th	12:25 PM	CC	Oil Springs Museum (2423 Kelly Rd)	0.92										
		Aug 24th	12:55 PM	CC	Main Pump Station (2601 Fredrick Street)	1.27										
Week 5		Set 1	Aug 29th	7:10 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.19								Aug 31st	CC
	Aug 29th		7:50 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.05	0	0								
	Aug 29th		7:40 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.25										
	Aug 29th		7:25 AM	DD	Main Pump Station (2601 Fredrick Street)	1.26										
	Set 2			DD	Black Creek Golf Course (4360 South Plank Road)											
				DD	Oil Springs Youth Centre (4517 Victoria Street)											
				DD	Main Pump Station (2601 Fredrick Street)											

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Revision: March/2023

Oil Springs WD Residuals & Lab Analysis  
Sep-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	Lab Report Received	Init.		
Week 1	Set 1			Oil Springs Municipal Office (4591 Oil Springs Line)													
				Oil Springs Museum (2423 Kelly Rd)													
				Oil Springs Youth Centre (4517 Victoria Street)													
				Main Pump Station (2601 Fredrick Street)													
Week 1	Set 2	Sept 1st	8:35 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.12											
		Sept 1st	8:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.20											
		Sept 1st	8:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.15											
Week 2	Set 1	Sept 6th	7:40 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.04								Sept 11th	CC		
		Sept 6th	7:55 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	0.91	0	0	30								
		Sept 6th	7:25 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.12	0	0	< 10								
		Sept 6th	7:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.02											
Week 2	Set 2	Sept 8th	11:15 AM	CC	Black Creek Golf Course (4360 South Plank Road)	1.29											
		Sept 8th	11:30 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.17											
		Sept 8th	11:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.23											
Week 3	Set 1	Sept 12th	8:00 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)									Sept 15th	CC		
		Sept 12th	9:00 AM	DD	Oil Springs Museum (2423 Kelly Rd)	0.39	0	0									
		Sept 12th	8:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.38	0	0									
		Sept 12th	8:15 AM	DD	Main Pump Station (2601 Fredrick Street)												
Week 3	Set 2	Sept 15th	7:15 AM	CC	Black Creek Golf Course (4360 South Plank Road)	1.45											
		Sept 15th	6:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.42											
		Sept 15th	6:25 AM	CC	Main Pump Station (2601 Fredrick Street)	1.57											
Week 4	Set 1	Sept 19th	7:45 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.43								Sept 21st	CC		
		Sept 19th	8:40 AM	DD	Oil Springs Museum (2423 Kelly Rd)	0.66	0	0									
		Sept 19th	8:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.53	0	0									
		Sept 19th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.50											
Week 4	Set 2	Sept 22nd	7:30 AM	CC	Black Creek Golf Course (4360 South Plank Road)	1.49											
		Sept 22nd	7:15 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.54											
		Sept 22nd	6:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.60											
Week 5	Set 1	Sept 26th	7:25 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.44								Sept 29th	CC		
		Sept 26th	8:55 AM	CC	Oil Springs Museum (2423 Kelly Rd)	0.53	0	0									
		Sept 26th	7:10 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.54	0	0									
		Sept 26th	8:00 AM	CC	Main Pump Station (2601 Fredrick Street)	1.61											
Week 5	Set 2	Sept 29th	7:15 AM	CC	Black Creek Golf Course (4360 South Plank Road)	1.46											
		Sept 29th	6:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.35											
		Sept 29th	6:35 AM	CC	Main Pump Station (2601 Fredrick Street)	1.43											

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Oil Springs WD Residuals & Lab Analysis  
Oct-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	Lab Report Received	Init.	
Week 1	Set 1	Oct 2nd	1:50 PM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.42								Oct 5th	CC	
		Oct 2nd	3:00 PM	CC	Oil Springs Museum (2423 Kelly Rd)	0.96	0	0	< 10							
		Oct 2nd	2:35 PM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.36	0	0	< 10							
		Oct 2nd	2:15 PM	CC	Main Pump Station (2601 Fredrick Street)	1.51										
	Set 2	Oct 6th	6:50 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.25										
		Oct 6th	7:20 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.31										
Oct 6th		6:35 AM	CC	Main Pump Station (2601 Fredrick Street)	1.36											
Week 2	Set 1	Oct 11th	7:15 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.19								Oct 16th	CC	
		Oct 11th	8:50 AM	CC	Oil Springs Museum (2423 Kelly Rd)	0.87	0	0			65	7.64	74			
		Oct 11th	7:45 AM	CC	Hydrant # 34 (Meadowview)	1.17				24.5		7.95	76			
		Oct 11th	8:10 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.28	0	0								
		Oct 11th	6:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.26										
	Set 2	Oct 13th	9:00 AM	DD	Black Creek Golf Course (4360 South Plank Road)	1.09										
Oct 13th		9:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.22											
Oct 13th		9:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.24											
Week 3	Set 1	Oct 17th	8:00 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.31								Oct 19th	CC	
		Oct 17th	8:50 AM	DD	Oil Springs Museum (2423 Kelly Rd)	0.64	0	0								
		Oct 17th	8:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.29	0	0								
		Oct 17th	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.20										
	Set 2	Oct 19th	3:15 PM	CC	Black Creek Golf Course (4360 South Plank Road)	1.24										
		Oct 19th	2:55 PM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.19										
Oct 19th		3:30 PM	CC	Main Pump Station (2601 Fredrick Street)	1.27											
Week 4	Set 1	Oct 24th	7:05 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.34								Oct 26th	CC	
		Oct 24th	7:25 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.26										
		Oct 24th	7:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.28	0	0								
		Oct 24th	6:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.27										
	Set 2	Oct 27th	7:30 AM	DD	Community Hall (4596 Oil Springs Line)	1.26										
		Oct 27th	7:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.48										
Oct 27th		7:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.46											
Week 5	Set 1	Oct 31st	7:30 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.37								Nov 2nd	CC	
		Oct 31st	8:40 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.01										
		Oct 31st	7:50 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.42	0	0								
		Oct 31st	7:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.33										
	Set 2				Community Hall (4596 Oil Springs Line)											
					Oil Springs Youth Centre (4517 Victoria Street)											
				Main Pump Station (2601 Fredrick Street)												

Residuals are collected as per O. Reg 170/03, s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Oil Springs WD Residuals & Lab Analysis  
Nov-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	Lab Report Received	Init.	
Week 1	Set 1			Oil Springs Municipal Office (4591 Oil Springs Line)												
				Oil Springs Museum (2423 Kelly Rd)												
				Oil Springs Youth Centre (4517 Victoria Street)												
				Main Pump Station (2601 Fredrick Street)												
	Set 2	Nov 3rd	7:40 AM	CC	Community Hall (4596 Oil Springs Line)	1.30										
		Nov 3rd	7:15 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.27										
		Nov 3rd	6:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.36										
Week 2	Set 1	Nov 7th	7:15 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.27								Nov 9th	CC	
		Nov 7th	8:40 AM	CC	Oil Springs Museum (2423 Kelly Rd)	0.93	0	0	< 10							
		Nov 7th	8:05 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.39	0	0	< 10							
		Nov 7th	6:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.42										
	Set 2	Nov 10th	7:45 AM	DD	Community Hall (4596 Oil Springs Line)	1.34										
		Nov 10th	7:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.46										
		Nov 10th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.31										
Week 3	Set 1	Nov 14th	8:55 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.46	0	0						Nov 20th	CC	
		Nov 14th	7:15 AM	CC	Oil Springs Museum (2423 Kelly Rd)	1.42										
		Nov 14th	7:45 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.48	0	0								
		Nov 14th	6:45 AM	CC	Main Pump Station (2601 Fredrick Street)	1.52										
	Set 2	Nov 17th	7:10 AM	CC	Community Hall (4596 Oil Springs Line)	1.30										
		Nov 17th	7:15 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.38										
		Nov 17th	6:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.47										
Week 4	Set 1	Nov 21st	8:00 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.33								Nov 23rd	CC	
		Nov 21st	8:30 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.04	0	0								
		Nov 21st	8:10 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.39	0	0								
		Nov 21st	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.31										
	Set 2	Nov 24th	7:15 AM	CC	Community Hall (4596 Oil Springs Line)	1.19										
		Nov 24th	7:40 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.32										
		Nov 24th	7:05 AM	CC	Main Pump Station (2601 Fredrick Street)	1.21										
Week 5	Set 1	Nov 28th	7:45 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.37								Nov 30th	CC	
		Nov 28th	9:10 AM	DD	Community Hall (4596 Oil Springs Line)	1.39	0	0								
		Nov 28th	8:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.46	0	0								
		Nov 28th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.35										
	Set 2				Community Hall (4596 Oil Springs Line)											
					Oil Springs Youth Centre (4517 Victoria Street)											
					Main Pump Station (2601 Fredrick Street)											

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)

Oil Springs WD Residuals & Lab Analysis  
Dec-23

DD - Derek Daly  
CC - Cathy Culnan

	Date	Time	Operator	Sampling Location	Chlorine Residual mg/L	E. coli cfu/1 mL	Total Coliform cfu/1 mL	HPC ug/L	HAA ug/L	THM ug/L	pH	Alkalinity mg/L	Lead ug/L	Lab Report Received	Init.	
Week 1	Set 1			Oil Springs Municipal Office (4591 Oil Springs Line)												
				Oil Springs Museum (2423 Kelly Rd)												
				Oil Springs Youth Centre (4517 Victoria Street)												
				Main Pump Station (2601 Fredrick Street)												
	Set 2	Dec 1st	9:30 AM	DD	Community Hall (4596 Oil Springs Line)	1.38										
	Dec 1st	9:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.49											
	Dec 1st	9:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.46											
Week 2	Set 1	Dec 5th	7:50 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.63								Dec 7th	CC	
		Dec 5th	8:50 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.08	0	0	< 10							
		Dec 5th	8:10 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.60	0	0	< 10							
		Dec 5th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.50										
	Set 2	Dec 8th	8:15 AM	DD	Community Hall (4596 Oil Springs Line)	1.63										
		Dec 8th	8:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.65										
	Dec 8th	8:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.66											
Week 3	Set 1	Dec 12th	7:50 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.57								Dec 14th	CC	
		Dec 12th	8:45 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.23	0	0								
		Dec 12th	8:10 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.56	0	0								
		Dec 12th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.66										
	Set 2	Dec 15th	9:20 AM	DD	Community Hall (4596 Oil Springs Line)	1.53										
		Dec 15th	9:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.62										
	Dec 15th	9:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.69											
Week 4	Set 1	Dec 19th	8:05 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.63								Dec 21st	CC	
		Dec 19th	8:45 AM	DD	Oil Springs Museum (2423 Kelly Rd)	1.34	0	0								
		Dec 19th	8:20 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.55	0	0								
		Dec 19th	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.65										
	Set 2	Dec 21st	9:10 AM	DD	Community Hall (4596 Oil Springs Line)	1.51										
		Dec 21st	9:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.62										
	Dec 21st	9:25 AM	DD	Main Pump Station (2601 Fredrick Street)	1.69											
Week 5	Set 1	Dec 27th	7:55 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.71								Jan 2-2024	CC	
		Dec 27th	8:30 AM	DD	Sample Station # 1 (behind Museum - 2423 Kelly Rd)	1.27	0	0								
		Dec 27th	8:10 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.63	0	0								
		Dec 27th	7:40 AM	DD	Main Pump Station (2601 Fredrick Street)	1.69										
	Set 2	Dec 29th	9:30 AM	DD	Community Hall (4596 Oil Springs Line)	1.64										
		Dec 29th	9:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.64										
	Dec 29th	9:20 AM	DD	Main Pump Station (2601 Fredrick Street)	1.72											

Residuals are collected as per O. Reg 170/03 s 7-2 (3) & (4)

Bacteriological samples are collected as per O. Reg 170/03 s 10 (2) & (3)