



Village of Oil Springs

Water Distribution

Annual Summary Report

2021

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 31st 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, Water Works # 60046761, for the period of **January 1, 2021 to December 31, 2021**. The Oil Springs Water Distribution System is categorized as a Large Municipal Residential Drinking Water System. The annual MECP Inspection for the Oil Springs Distribution System was conducted on August 26, 2021. The overall Inspection rating for 2021 was 100% (2020 – 91.29 %) (2019 – 85.05 %)

Statement of Compliance:

The Oil Springs Water Distribution System is operated and maintained by **OMI (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 - # 155041 (Adverse Water Quality Incident)

- Thursday August 12th – received notice of a AWQI for a Total Coliform result of 1 cfu/100mL
- Notified SAC, MOH, MECP & Owner
- Immediately flushed and resampled at Hydrant # 5 & # 6 and delivered samples to lab
- Friday August 13th – flushed and collected second set of samples at Hydrant # 5 & # 6 and delivered samples to lab
- All results from resampling were received with an analysis of 0.00 cfu/100 mL
- Notice of Resolution submitted Aug 18, 2021

Review of Distribution system:

OMI (Jacobs) assumed operations of Oil Springs distribution system Oct 6, 2016.

The Village of Oil Springs is the Owner of the distribution system with 293 services that directly supplies a population of approximately 698 residents. The Oil Springs water distribution system piping consists of a 50 mm to a 300 mm diameter water main.

The distribution system 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 to the Influent flow at the Enniskillen Reservoir and when leaving the reservoir upon entering the Oil Springs WDS. The Enniskillen Reservoir has on-line chlorine analyzers and pressure monitoring equipment with 24/7 alarm monitoring capabilities.

Commencing December 30, 2019, the Village of Oil Springs Distribution System reverted to O. Reg 170/03 section 7-2 (3) & (4) for its sampling protocol. Collecting seven (7) samples per week following the 4/3 rule. MECP was notified of the change on December 23, 2019.

The distribution system for The Village Oil Springs has qualified for a reduced Lead sampling schedule and performed Lead sampling on April 1st and Oct 7th during 2019. Lead sampling is to commence again in in the 2022/2023 season.

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

Repairs & Maintenance:

- Jan 8th – 2783 Oil Heritage Road – replace residential water service (curb stop)
- Feb 4th – Hydrant # 20 (Roody dead end) – Frozen – used steam geny to thaw
- March 22nd – 4723 Orchardview Drive – installed residential water service
- May 19th – In line water meter at the Enniskillen Reservoir was replaced
- May 12th – 4720 Orchardview Drive – water service to residents was shut “off” and the water service (curb stop) was replaced – notices were posted on the Villages website and delivered to the residents affected
- May 14th – 4708 Orchardview – excavated main stop – turned “on” and flow was resumed
- Nov 24th – Orchardview Drive, water service to residents was shut “off” and multiple water services (curb stops) were repaired/replaced – notices were posted on the Villages website and delivered to the residents affected
- Hydrants and Dead ends are flushed semi-annually, taking place in April and October 2021
- Water main isolation valves are exercised annually to ensure operations during an emergency shutdown, this exercise was conducted in September and October 2021
- During 2021 several residential water services were installed throughout the Village due to new builds

Water Meters:

- Feb 11th – 4494 Oil Springs Line – replaced frost plate
- March 15th – 4661 Oil Springs Line – replaced water meter
- June 14th – 4508 Oil Springs Line – replaced water meter
- June 14th – replaced water meter (Oil museum)
- Replaced water meter regulator at the Main sewage pump station
- Numerous new water meters were installed for new builds

Complaints:

- Sept 13th – 2771 Oil Heritage Road – residence had water flowing into sump pit – the homeowner had made repairs to their piping and it was an unnoticed loose fitting causing the leak into the sump pit.

Health Samples:

The health samples include tests for the presence of E-coli, Total coliforms and HPC (Heterotrophic Plate Count) Any presence of E-coli or Total coliforms would be considered adverse and must be reported. They are taken on an alternating weekly basis at three (3) locations within the Village of Oil Springs:

1. Oil Springs Municipal office
2. Oil Springs Youth Centre
3. Oil Springs Community Hall

Free chlorine samples are also analyzed at each site when collecting the health samples. Sample 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: **1.97 mg/L (Mar 9th) to 0.94 mg/L (Sept 10th)**

Health samples for HPC (Heterotrophic plate count) ranged from: **< 10 cfu/mL to 20 cfu/mL**

All the THM (Trihalomethane) samples were collected from the furthest point in the distribution system which is dead-end hydrant # 38, located on Gypsie Flatt Rd: **Jan 5th, April 7th, July 6th, Oct 13th**

The HAA samples were collected on Jan 5th at the Youth Centre, April 7th at the Youth Centre, July 6th at the Community Hall, and Oct 13th at the Community Hall

2021 Water purchased from Enniskillen Township (m3)

Month	Oil Heritage Road water meter	Oil Springs Line water meter	Monthly Total
January	4056	289	4345
February	3672	224	3896
March	3320	237	3557
April	3822	245	4067
May	3358	214	3572
June	1127	370	1497
July	8430	212	8642
August	4896	235	5131
September	4532	191	4723
October	3718	153	3871
November	3970	129	4099
December	3898	101	3999
2021 Annual Total			51, 399
Monthly Average			4, 283
Daily Average			14.79

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, any 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 %
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
2012	48, 657	2012	2.06
2011	60, 678	2011	17.01

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 is 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.gpm (0.25 m3/min) Maximum daily flow rate of 138 imp gpm (0.63 m3/min) and a peak hourly flow rate of 206 imp gpm (0.94 m3/min)

Oil Springs WD Residuals & Monthly Lab Analysis

M/Y: January 2021

RP - Rae Piggott
 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
Week 1	Set 1	Jan 5th	8:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.45	0	0	< 10			
		Jan 5th	8:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.52						
		Jan 5th	8:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.40	0	0	10	27.4		
		Jan 5th	8:50 AM	DD	Hydrant # 38 (Gypsie Flatt Rd)	1.43					38	
	Jan 5th	9:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.55							
	Set 2	Jan 8th	9:20 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.53						
		Jan 8th	10:00 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.40						
		Jan 8th	9:35 AM	CC	Main Pump Station (2601 Fredrick Street)	1.52						
Week 2	Set 1	Jan 12th	6:35 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.44						
		Jan 12th	6:25 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.35	0	0				
		Jan 12th	6:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.48	0	0				
		Jan 12th	6:15 AM	CC	Main Pump Station (2601 Fredrick Street)	1.64						
	Set 2	Jan 15th	8:25 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.56						
		Jan 15th	8:05 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.45						
		Jan 15th	8:20 AM	RP	Main Pump Station (2601 Fredrick Street)	1.61						
		Jan 19th	8:05 AM	RP	Oil Springs Municipal Office (4591 Oil Springs Line)	1.74	0	0				
Week 3	Set 1	Jan 19th	8:15 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.26						
		Jan 19th	7:50 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.52	0	0				
		Jan 19th	8:30 AM	RP	Main Pump Station (2601 Fredrick Street)	1.68						
		Jan 22nd	8:45 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.58						
	Set 2	Jan 22nd	9:00 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.42						
		Jan 22nd	8:30 AM	RP	Main Pump Station (2601 Fredrick Street)	1.26						
		Jan 26th	6:40 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.46						
		Jan 26th	6:50 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.45	0	0				
Week 4	Set 1	Jan 26th	7:05 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.53	0	0				
		Jan 26th	6:25 AM	CC	Main Pump Station (2601 Fredrick Street)	1.78						
		Jan 29th	8:12 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.61						
		Jan 29th	8:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.51						
	Set 2	Jan 29th	8:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.46						
					Oil Springs Municipal Office (4591 Oil Springs Line)							
					Oil Springs Community Hall (4596 Oil Springs Line)							
					Oil Springs Youth Centre (4517 Victoria Street)							
Week 5	Set 1				Main Pump Station (2601 Fredrick Street)							
					Oil Springs Community Hall (4596 Oil Springs Line)							
					Oil Springs Youth Centre (4517 Victoria Street)							
					Main Pump Station (2601 Fredrick Street)							
	Set 2				Oil Springs Community Hall (4596 Oil Springs Line)							
					Oil Springs Youth Centre (4517 Victoria Street)							
					Main Pump Station (2601 Fredrick Street)							
					Oil Springs Youth Centre (4517 Victoria 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 & Monthly Lab Analysis

M/Y: February: 2021

RP - Rae Piggott
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
Week 1	Set 1	Feb 2nd	6:30 AM	RP	Oil Springs Municipal Office (4591 Oil Springs Line)	1.81	0	0	< 10			
		Feb 2nd	6:20 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.68						
		Feb 2nd	6:40 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.44	0	0	< 10			
		Feb 2nd	6:05 AM	RP	Main Pump Station (2601 Fredrick Street)	1.80						
	Set 2	Feb 5th	10:35 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.66						
		Feb 5th	10:20 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.60						
		Feb 5th	10:50 AM	RP	Main Pump Station (2601 Fredrick Street)	1.71						
	Week 2	Set 1	Feb 9th	7:00 AM	RP	Oil Springs Municipal Office (4591 Oil Springs Line)	1.79					
Feb 9th			6:50 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.72	0	0				
Feb 9th			7:05 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.50	0	0				
Feb 9th			6:40 AM	RP	Main Pump Station (2601 Fredrick Street)	1.73						
Set 2		Feb 11th	2:00 PM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.68						
		Feb 11th	1:46 PM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.57						
		Feb 11th	12:50 PM	DD	Main Pump Station (2601 Fredrick Street)	1.84						
Week 3		Set 1	Feb 17th	8:10 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.87	0	0			
	Feb 17th		8:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.88						
	Feb 17th		7:50 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.72	0	0				
	Feb 17th		9:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.85						
	Set 2	Feb 19th	10:10 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.85						
		Feb 19th	9:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.67						
		Feb 19th	9:55 AM	DD	Main Pump Station (2601 Fredrick Street)	1.86						
Week 4	Set 1	Feb 23rd	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.82						
		Feb 23rd	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.82	0	0				
		Feb 23rd	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.57	0	0				
		Feb 23rd	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.85						
	Set 2	Feb 26th	8:30 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.81						
		Feb 26th	8:00 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.60						
		Feb 26th	8:15 AM	RP	Main Pump Station (2601 Fredrick Street)	1.87						
Week 5	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				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 & Monthly Lab Analysis

M/Y: March: 2021

RP - Rae Piggott
 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
Week 1	Set 1	Mar 2nd	6:35 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.97	0	0	< 10			
		Mar 2nd	6:13 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.61						
		Mar 2nd	6:52 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.54	0	0	< 10			
		Mar 2nd	6:00 AM	CC	Main Pump Station (2601 Fredrick Street)	1.84						
	Set 2	Mar 5th	9:15 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.85						
		Mar 5th	9:05 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.62						
		Mar 5th	9:30 AM	RP	Main Pump Station (2601 Fredrick Street)	1.87						
	Week 2	Set 1	Mar 9th	6:25 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.94					
Mar 9th			6:35 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.61	0	0				
Mar 9th			6:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.63	0	0				
Mar 9th			6:10 AM	CC	Main Pump Station (2601 Fredrick Street)	1.97						
Set 2		Mar 12th	8:10 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.56						
		Mar 12th	7:55 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.49						
		Mar 12th	8:25 AM	RP	Main Pump Station (2601 Fredrick Street)	1.67						
Week 3		Set 1	Mar 16th	6:50 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.66	0	0	< 10		
	Mar 16th		7:00 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.52						
	Mar 16th		7:12 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.36	0	0	< 10			
	Mar 16th		6:40 AM	CC	Main Pump Station (2601 Fredrick Street)	1.47						
	Set 2	Mar 19th	9:00 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.48						
		Mar 19th	8:20 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.55						
		Mar 19th	8:50 AM	RP	Main Pump Station (2601 Fredrick Street)	1.57						
	Week 4	Set 1	Mar 23rd	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.55					
Mar 23rd			7:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.48						
Mar 23rd			7:50 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.56	0	0				
Mar 23rd			7:35 AM	DD	Main Pump Station (2601 Fredrick Street)	1.57						
Set 2		Mar 26th	9:25 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.57						
		Mar 26th	9:15 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.52						
		Mar 26th	9:05 AM	RP	Main Pump Station (2601 Fredrick Street)	1.48						
Week 5		Set 1	Mar 30th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.61	0	0			
	Mar 30th		7:35 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.60						
	Mar 30th		7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.27						
	Mar 30th		7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.64						
	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 & Monthly Lab Analysis

M/Y: April: 2021

RP - Rae Piggott
 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	
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	Apr 1st	8:15 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.49							
		Apr 1st	8:30 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.27							
		Apr 1st	7:55 AM	RP	Main Pump Station (2601 Fredrick Street)	1.33							
Week 2	Set 1	Apr 7th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.54	0	0	10				
		Apr 7th	7:40 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.54							
		Apr 7th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.34	0	0	20	35			
		April 7th		DD	Hydrant # 38 (Gypsie Flatt - dead end)						45	7.76	85
		Apr 7th	8:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.56							
	Set 2	Apr 9th	8:10 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.51							
		Apr 9th	7:55 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.37							
Apr 9th		8:20 AM	RP	Main Pump Station (2601 Fredrick Street)	1.60								
Week 3	Set 1	April 13th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.55							
		April 13th	7:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.58	0	0					
		April 13th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.50	0	0					
		April 13th	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.69							
	Set 2	April 16th	7:55 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.55							
		April 16th	7:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.44							
		April 16th	8:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.64							
Week 4	Set 1	April 20th	7:15 AM	RP	Oil Springs Municipal Office (4591 Oil Springs Line)	1.64	0	0					
		April 20th	7:06 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.61							
		April 20th	7:25 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.31	0	0					
		April 20th	6:50 AM	RP	Main Pump Station (2601 Fredrick Street)	1.61							
	Set 2	April 23rd	8:15 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.60							
		April 23rd	8:05 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.30							
		April 23rd	8:30 AM	RP	Main Pump Station (2601 Fredrick Street)	1.59							
Week 5	Set 1	April 27th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.69	0	0					
		April 27th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.61							
		April 27th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.68	0	0					
		April 27th	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.61							
	Set 2	April 30th	8:20 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.59							
		April 30th	8:05 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.51							
		April 30th	8:30 AM	RP	Main Pump Station (2601 Fredrick Street)	1.64							

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 & Monthly Lab Analysis

M/Y: May: 2021

RP - Rae Piggott
 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
Week 1	Set 1	May 4th	6:30 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.58						
		May 4th	6:42 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.26	0	0	< 10			
		May 4th	6:20 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.13	0	0	< 10			
		May 4th	7:00 AM	CC	Main Pump Station (2601 Fredrick Street)	1.60						
	Set 2	May 7th	8:05 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.45						
		May 7th	7:50 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.49						
		May 7th	8:15 AM	RP	Main Pump Station (2601 Fredrick Street)	1.61						
Week 2	Set 1	May 11th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.57	0	0				
		May 11th	7:45 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.41						
		May 11th	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.47	0	0				
		May 11th	7:30 AM	DD	Main Pump Station (2601 Fredrick Street)	1.62						
	Set 2	May 14th	8:05 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.46						
		May 14th	7:55 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.45						
		May 14th	8:15 AM	RP	Main Pump Station (2601 Fredrick Street)	1.53						
Week 3	Set 1	May 18th	7:50 AM	RP	Oil Springs Municipal Office (4591 Oil Springs Line)	1.63						
		May 18th	8:05 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.58	0	0				
		May 18th	7:40 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.42	0	0				
		May 18th	8:15 AM	RP	Main Pump Station (2601 Fredrick Street)	1.69						
	Set 2	May 21st	8:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.57						
		May 21st	8:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.47						
		May 21st	8:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.64						
Week 4	Set 1	May 26th	8:25 AM	RP	Oil Springs Municipal Office (4591 Oil Springs Line)	1.70	0	0				
		May 26th	7:55 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.58						
		May 26th	8:10 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.47	0	0				
		May 26th	7:45 AM	RP	Main Pump Station (2601 Fredrick Street)	1.36						
	Set 2	May 28th	8:45 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.60						
		May 28th	8:27 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.49						
		May 28th	9:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.60						
Week 5	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				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 & Monthly Lab Analysis

M/Y: June: 2021

RP - Rae Piggott
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
Week 1	Set 1	June 1st	7:55 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.55	0	0	< 10			
		June 1st	8:05 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.44						
		June 1st	7:40 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.36	0	0	< 10			
		June 1st	8:15 AM	DD	Main Pump Station (2601 Fredrick Street)	1.60						
	Set 2	June 4th	8:25 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.24						
		June 4th	8:10 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.34						
		June 4th	8:35 AM	RP	Main Pump Station (2601 Fredrick Street)	1.43						
	Week 2	Set 1	June 8th	8:05 AM	RP	Oil Springs Municipal Office (4591 Oil Springs Line)	1.49					
June 8th			8:20 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.37	0	0				
June 8th			8:55 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.33	0	0				
June 8th			8:35 AM	RP	Main Pump Station (2601 Fredrick Street)	1.43						
Set 2		June 11th	8:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.45						
		June 11th	8:40 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.12						
		June 11th	8:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.52						
Week 3		Set 1	June 15th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.56	0	0			
	June 15th		7:35 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.42						
	June 15th		7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.29	0	0				
	June 15th		7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.54						
	Set 2	June 18th	9:15 AM	RP	Oil Springs Community Hall (4596 Oil Springs Line)	1.52						
		June 18th	9:05 AM	RP	Oil Springs Youth Centre (4517 Victoria Street)	1.35						
		June 18th	9:30 AM	RP	Main Pump Station (2601 Fredrick Street)	1.60						
	Week 4	Set 1	June 22nd	6:55 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.51					
June 22nd			6:40 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.36	0	0				
June 22nd			7:00 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.27						
June 22nd			7:25 AM	CC	Main Pump Station (2601 Fredrick Street)	1.61						
Set 2		June 25th	6:55 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.25						
		June 25th	7:10 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.33						
		June 25th	6:40 AM	CC	Main Pump Station (2601 Fredrick Street)	1.43						
Week 5		Set 1	June 29th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.64	0	0			
	June 29th		7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.53						
	June 29th		7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.09						
	June 29th		7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.49						
	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 & Monthly Lab Analysis

M/Y: July: 2021

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	
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	July 2nd	8:50 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.47							
		July 2nd	8:20 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.35							
		July 2nd	8:35 AM	DD	Main Pump Station (2601 Fredrick Street)	1.54							
Week 2	Set 1	July 6th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.52							
		July 6th	7:35 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.54	0	0	< 10	28.6			
		July 6th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.45	0	0	< 10				
		July 6th	8:10 AM	DD	Hydrant # 38	1.45					58	7.84	77
		July 6th	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.46							
	Set 2	July 9th	7:35 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.37							
		July 9th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.19							
		July 9th	7:20 AM	DD	Main Pump Station (2601 Fredrick Street)	1.45							
	Week 3	Set 1	July 13th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.27	0	0	< 10			
			July 13th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.29						
July 13th			7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.03	0	0	< 10				
July 13th			7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.39							
Set 2		July 16th	6:20 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.19							
		July 16th	6:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.23							
		July 16th	6:10 AM	CC	Main Pump Station (2601 Fredrick Street)	1.52							
Week 4	Set 1	July 20th	6:35 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.43							
		July 20th	6:15 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.36	0	0					
		July 20th	6:50 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.29	0	0					
		July 20th	6:05 AM	CC	Main Pump Station (2601 Fredrick Street)	1.44							
	Set 2	July 23rd	7:20 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.47							
		July 23rd	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.18							
		July 23rd	7:35 AM	DD	Main Pump Station (2601 Fredrick Street)	1.49							
Week 5	Set 1	July 27th	6:45 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.70	0	0					
		July 27th	7:10 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.31							
		July 27th	7:25 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.42	0	0					
		July 27th	6:15 AM	CC	Main Pump Station (2601 Fredrick Street)	1.49							
	Set 2	July 30th	8:15 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.34							
		July 30th	7:45 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.13							
		July 30th	8:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.45							

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 & Monthly Lab Analysis

M/Y: Aug: 2021

DD - Derek Daly
 CC - Cathy Culnan
 MC - Mike Cyr

	Date	Time	Operator	Sampling Location	Chlorine Residual	E. coli	Total Coliform	HPC	HAA	THM	pH	Alkalinity
					mg/L	cfu/1 mL	cfu/1 mL	ug/L	ug/L	ug/L		mg/L
Week 1	Set 1	Aug 4th	6:10 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.38						
		Aug 4th	6:00 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.33	0	0	< 10			
		Aug 4th	6:30 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.26	0	0	< 10			
		Aug 4th	5:50 AM	CC	Main Pump Station (2601 Fredrick Street)	1.53						
	Set 2	Aug 6th	6:20 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.21						
		Aug 6th	6:05 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.19						
Aug 6th		6:30 AM	CC	Main Pump Station (2601 Fredrick Street)	1.52							
Week 2	Set 1	Aug 10th	8:35 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.65	0	1				
		Aug 10th	8:45 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.54						
		Aug 10th	8:15 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.37	0	0				
		Aug 10th	9:00 AM	DD	Main Pump Station (2601 Fredrick Street)	1.56						
	Set 2	Aug 13th	9:15 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.48						
		Aug 13th	9:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.06						
Aug 13th		9:30 AM	MC	Main Pump Station (2601 Fredrick Street)	1.63							
Week 3	Set 1	Aug 17th	6:35 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.41						
		Aug 17th	6:20 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.37	0	0				
		Aug 17th	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.23	0	0				
		Aug 17th	6:05 AM	DD	Main Pump Station (2601 Fredrick Street)	1.58						
	Set 2	Aug 20th	8:55 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.38						
		Aug 20th	9:15 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.21						
Aug 20th		8:40 AM	CC	Main Pump Station (2601 Fredrick Street)	1.49							
Week 4	Set 1	Aug 24th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.48	0	0				
		Aug 24th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.38						
		Aug 24th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.15						
		Aug 24th	7:40 AM	DD	Main Pump Station (2601 Fredrick Street)	1.36						
	Set 2	Aug 27th	9:00 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.35						
		Aug 27th	8:45 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.29						
Aug 27th		9:15 AM	MC	Main Pump Station (2601 Fredrick Street)	1.44							
Week 5	Set 1	Aug 31st	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.48						
		Aug 31st	7:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.36						
		Aug 31st	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.30	0	0				
		Aug 31st	7:35 AM	DD	Main Pump Station (2601 Fredrick Street)	1.45						
	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 & Monthly Lab Analysis

M/Y: Sept: 2021

DD - Derek Daly
 CC - Cathy Culnan
 MC - Mike Cyr

	Date	Time	Operator	Sampling Location	Chlorine Residual	E. coli	Total Coliform	HPC	HAA	THM	pH	Alkalinity	
					mg/L	cfu/1 mL	cfu/1 mL	ug/L	ug/L	ug/L		mg/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	Sept 3rd	9:00 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.07							
		Sept 3rd	8:45 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.13							
		Sept 3rd	9:15 AM	MC	Main Pump Station (2601 Fredrick Street)	1.29							
Week 2	Set 1	Sept 8th	7:40 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.45							
		Sept 8th	7:50 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.32	0	0	< 10				
		Sept 8th	7:30 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.24	0	0	< 10				
		Sept 8th	8:05 AM	DD	Main Pump Station (2601 Fredrick Street)	1.38							
	Set 2	Sept 10th	8:45 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.09							
		Sept 10th	8:30 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	0.94							
		Sept 10th	9:05 AM	MC	Main Pump Station (2601 Fredrick Street)	1.26							
Week 3	Set 1	Sept 14th	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.33	0	0					
		Sept 14th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.18							
		Sept 14th	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.22	0	0					
		Sept 14th	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.31							
	Set 2	Sept 17th	8:40 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.31							
		Sept 17th	8:30 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.27							
		Sept 17th	8:50 AM	MC	Main Pump Station (2601 Fredrick Street)	1.35							
Week 4	Set 1	Sept 21st	8:45 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.38							
		Sept 21st	8:55 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.33	0	0					
		Sept 21st	8:35 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.29	0	0					
		Sept 21st	9:00 AM	MC	Main Pump Station (2601 Fredrick Street)	1.52							
	Set 2	Sept 24th	8:05 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.28							
		Sept 24th	7:55 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	0.99							
		Sept 24th	8:15 AM	MC	Main Pump Station (2601 Fredrick Street)	1.42							
Week 5	Set 1	Sept 28th	7:00 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.24	0	0					
		Sept 28th	6:50 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.14							
		Sept 28th	7:25 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.20	0	0					
		Sept 28th	6:35 AM	CC	Main Pump Station (2601 Fredrick Street)	1.38							
	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 & Monthly Lab Analysis

M/Y: Oct: 2021

DD - Derek Daly
 CC - Cathy Culnan
 MC - Mike Cyr

	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	
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	Oct 1st	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.06							
		Oct 1st	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.11							
		Oct 1st	7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.19							
Week 2	Set 1	Oct 5th	6:50 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.34							
		Oct 5th	6:30 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.17	0	0	< 10				
		Oct 5th	7:10 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.09	0	0	< 10				
		Oct 5th	6:15 AM	CC	Main Pump Station (2601 Fredrick Street)	1.22							
	Set 2	Oct 8th	7:25 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.21							
		Oct 8th	7:15 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.22							
		Oct 8th	7:35 AM	MC	Main Pump Station (2601 Fredrick Street)	1.30							
Week 3	Set 1	Oct 13th	8:30 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.36	0	0					
		Oct 13th	8:40 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.20				31.9		7.80	78
		Oct 13th	8:10 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.16	0	0					
		Oct 13th	9:00 AM	MC	Hydrant # 38	1.19						74	
		Oct 13th	8:55 AM	MC	Main Pump Station (2601 Fredrick Street)	1.13							
	Set 2	Oct 15th	8:55 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.21							
		Oct 15th	9:00 AM	MC	Main Pump Station (2601 Fredrick Street)	1.30							
Week 4	Set 1	Oct 19th	9:10 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.59	0	0					
		Oct 19th	9:20 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.45							
		Oct 19th	8:55 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.13	0	0					
		Oct 19th	9:30 AM	MC	Main Pump Station (2601 Fredrick Street)	1.34							
	Set 2	Oct 22nd	9:30 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.28							
		Oct 22nd	9:15 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.23							
		Oct 22nd	9:40 AM	MC	Main Pump Station (2601 Fredrick Street)	1.52							
Week 5	Set 1	Oct 26th	7:35 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.26	0	0					
		Oct 26th	7:50 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.35							
		Oct 26th	7:20 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.35	0	0					
		Oct 26th	8:00 AM	MC	Main Pump Station (2601 Fredrick Street)	1.08							
	Set 2	Oct 29th	8:25 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.17							
		Oct 29th	8:10 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.24							
		Oct 29th	8:40 AM	MC	Main Pump Station (2601 Fredrick Street)	1.51							

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 & Monthly Lab Analysis

M/Y: Nov: 2021

DD - Derek Daly
 CC - Cathy Culnan
 MC - Mike Cyr

	Date	Time	Operator	Sampling Location	Chlorine Residual	E. coli	Total Coliform	HPC	HAA	THM	pH	Alkalinity
					mg/L	cfu/1 mL	cfu/1 mL	ug/L	ug/L	ug/L		mg/L
Week 1	Set 1	Nov 2nd	7:20 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.13						
		Nov 2nd	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.12	0	0	10			
		Nov 2nd	7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.10	0	0	< 10			
		Nov 2nd	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.22						
	Set 2	Nov 5th	8:25 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.11						
		Nov 5th	8:10 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.06						
		Nov 5th	8:45 AM	MC	Main Pump Station (2601 Fredrick Street)	1.25						
	Week 2	Set 1	Nov 9th	7:00 AM	CC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.10	0	0			
Nov 9th			6:40 AM	CC	Oil Springs Community Hall (4596 Oil Springs Line)	1.16						
Nov 9th			7:35 AM	CC	Oil Springs Youth Centre (4517 Victoria Street)	1.11	0	0				
Nov 9th			6:25 AM	CC	Main Pump Station (2601 Fredrick Street)	1.35						
Set 2		Nov 12th	8:45 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.48						
		Nov 12th	9:00 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.04						
		Nov 12th	8:30 AM	MC	Main Pump Station (2601 Fredrick Street)	1.53						
Week 3		Set 1	Nov 16th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.69					
	Nov 16th		7:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.66	0	0				
	Nov 16th		7:05 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.32	0	0				
	Nov 16th		7:45 AM	DD	Main Pump Station (2601 Fredrick Street)	1.73						
	Set 2	Nov 19th	9:05 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.68						
		Nov 19th	8:50 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.66						
		Nov 19th	9:15 AM	MC	Main Pump Station (2601 Fredrick Street)	1.83						
	Week 4	Set 1	Nov 23rd	8:15 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.66	0	0			
Nov 23rd			8:25 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.58						
Nov 23rd			8:00 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.50						
Nov 23rd			8:45 AM	MC	Main Pump Station (2601 Fredrick Street)	1.66						
Set 2		Nov 26th	7:25 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.45						
		Nov 26th	7:10 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.70						
		Nov 26th	7:35 AM	MC	Main Pump Station (2601 Fredrick Street)	1.61						
Week 5		Set 1	Nov 30th	7:25 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.67					
	Nov 30th		7:35 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.51						
	Nov 30th		7:15 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.47	0	0				
	Nov 30th		7:45 AM	MC	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 & Monthly Lab Analysis

M/Y: Dec: 2021

DD - Derek Daly
CC - Cathy Culnan
MC - Mike Cyr

	Date	Time	Operator	Sampling Location	Chlorine Residual	E. coli	Total Coliform	HPC	HAA	THM	pH	Alkalinity	
					mg/L	cfu/1 mL	cfu/1 mL	ug/L	ug/L	ug/L		mg/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	Dec 3rd	7:55 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.44							
		Dec 3rd	7:45 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.51							
		Dec 3rd	8:15 AM	MC	Main Pump Station (2601 Fredrick Street)	1.61							
Week 2	Set 1	Dec 7th	8:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.70							
		Dec 7th	8:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.54	0	0	< 10				
		Dec 7th	8:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.60	0	0	< 10				
		Dec 7th	8:40 AM	DD	Main Pump Station (2601 Fredrick Street)	1.55							
	Set 2	Dec 10th	9:05 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.56							
		Dec 10th	8:50 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.53							
		Dec 10th	9:15 AM	MC	Main Pump Station (2601 Fredrick Street)	1.59							
Week 3	Set 1	Dec 14th	7:15 AM	DD	Oil Springs Municipal Office (4591 Oil Springs Line)	1.69	0	0					
		Dec 14th	7:30 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.52							
		Dec 14th	7:00 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.50	0	0					
		Dec 14th	7:50 AM	DD	Main Pump Station (2601 Fredrick Street)	1.75							
	Set 2	Dec 17th	8:35 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.48							
		Dec 17th	8:00 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.64							
		Dec 17th	8:20 AM	MC	Main Pump Station (2601 Fredrick Street)	1.71							
Week 4	Set 1	Dec 21st	8:20 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.70							
		Dec 21st	8:30 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.66	0	0					
		Dec 21st	8:10 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.40	0	0					
		Dec 21st	8:45 AM	MC	Main Pump Station (2601 Fredrick Street)	1.60							
	Set 2	Dec 24th	8:25 AM	DD	Oil Springs Community Hall (4596 Oil Springs Line)	1.78							
		Dec 24th	7:50 AM	DD	Oil Springs Youth Centre (4517 Victoria Street)	1.64							
		Dec 24th	8:10 AM	DD	Main Pump Station (2601 Fredrick Street)	1.71							
Week 5	Set 1	Dec 29th	6:25 AM	MC	Oil Springs Municipal Office (4591 Oil Springs Line)	1.59	0	0					
		Dec 29th	6:35 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.79							
		Dec 29th	6:10 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.96	0	0					
		Dec 29th	6:45 AM	MC	Main Pump Station (2601 Fredrick Street)	1.91							
	Set 2	Dec 31st	8:50 AM	MC	Oil Springs Community Hall (4596 Oil Springs Line)	1.80							
		Dec 31st	8:40 AM	MC	Oil Springs Youth Centre (4517 Victoria Street)	1.67							
		Dec 31st	9:00 AM	MC	Main Pump Station (2601 Fredrick Street)	1.94							

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)