ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Municipality of Temagami Water and Wastewater Systems Quarterly Operations Report

July 1 to September 30, 2024

SUBMITTED BY

Ontario Clean Water Agency
15 Government Road East
Kirkland Lake, ON P2N 3J5

November 5, 2024, Rev. 0

Prepared by the Ontario Clean Water Agency
On behalf of the Municipality of Temagami

Table of Contents

1 Introduction

The Quarterly Operations Report summarizes regulatory compliance, quality management and system monitoring information. It provides a list of completed capital and major work projects and any call-outs that occurred after hours. It also includes complaints received and Health and Safety activities or issues that occurred during the quarter.

2 Regulatory Compliance

2.1 Summary of Reportable Events

Facility	Date	MECP Event No.	Event/Non-compliance	Corrective Action
Temagami South Sewage Collection System	August 28, 2024	1-ABUL47	Sewage bubbled out of a crack in the road when the Temagami Shores sewage pumping station was running. A vertical crack on the coupler caused the sewage spill. 	Vacuum truck removed and disposed of the spilled material. Broken pipe replaced with 3" ABS pipe, approximately 18" long. Incident was reported to appropriate authorities. 15-day Spill Report, submitted to MECP Director and local MECP as required on September 6, 2024

2.2 Third Party Inspections and Findings

The MECP conducted an inspection of the Temagami South DWS on September 12th. No non-compliances or recommendations were identified in the report dated October 30, 2024.

2.3 Quality and Environmental Management System (QEMS)

An Internal QEMS Audit was conducted for the Temagami Drinking Water Systems in the third quarter. No non-conformances were identified in the Audit Report dated July 12, 2024, however two (2) opportunities for improvement (OFIs) and three (3) comments/observations were noted. These findings along with their completion status is listed in Appendix A will be tracked until resolved.

2.4 Reporting

A summary of regulatory reports submitted by OCWA on behalf of the Municipality are listed in the tables below.

Water System Reports	Submission Frequency	Submitted to	Submission Date
2023 Annual/Summary Reports for North and South Drinking Water Systems	By February 28th of each year	MECP and Owner	February 15, 2024

Sewage System Reports	Submission Frequency	Submitted to	Submission Date
2023 Annual Performance Reports for the North and South Lagoons	By March 31st of each year	MECP and Owner	March 22, 2024
Annual WSER Reporting for the North and South Lagoons	45 days after the end of the year	Environment Canada	January 26, 2024
Temagami North Lagoon – Quarterly Overflow/Bypass Reports	45 days after the quarter	MECP	January 11, 2024 (Q4 2023) April 19, 2024 (Q1 2024) July 16, 2024 (Q2 2024)
Quarterly Effluent Discharge Data Reports	The Ontario Clean Water Agency (OCWA) has an arrangement with the MECP to submit quarterly discharge data for all OCWA operated municipal sewage treatment facilities 45 days at the end of each quarter	MECP	February 15, 2024 (Q4, 2023) May 15, 2024 (Q1, 2024) August 15, 2024 (Q2 2024)

2.5 Other Important Information

Temagami Sewage Collection System (CLI-ECA)

- October 17, 2024 – Significant Drinking Water Threat Assessment required – complete.

3 Monitoring Program

3.1 Monitoring Data

Drinking water sampling and testing required by Ontario Regulation 170/03 for the was completed this quarter and all results fell within regulatory limits.

Quarterly bacteriological sampling required under the Ministry of Health's Directive for the Marten River Fire Hall was completed on July 8th and Temagami Chalet was done on July 17th. Results were acceptable meeting regulatory limits

Wastewater sampling and testing required by the systems' Environmental Compliance Approvals and the Wastewater Systems Effluent Regulation was also completed this quarter and all results fell within their compliance limits.

Notes:

Temagami North Lagoon - The effluent flow through the old discharge pipe was stopped on July 16th at 9:17 AM to allow the lagoon to fill up and discharge to a new UV system and through the new effluent pipe.

July 4 - started emptying the lagoon to allow for the installation of a new effluent pipe for the UV system.

July 5 to 16 – daily effluent sampling was conducted during the lowering of the lagoon (required under Condition 9(2) of ECA 4250-D59RYU for abnormal operating conditions).

Refer to Appendix B for Quarterly Data Reports.

3.2 Flows

3.2.1 Temagami North Water Treatment Plant

2024	Total Raw Flow (m^3)	Total Treated Flow (m^3)	% Difference (raw – treated)	Average Daily Treated Flow (m^3)	Maximum Treated Flow (m^3)	% of the Rated Max. Capacity (328 m^3/day)
January	7492	7338	2.1%	237	329	100%*
February	5825	5524	5.2%	190	368	112%*
March	5074	4611	9.1%	149	199	61%
April	4482	4014	10%	134	150	46%
May	4157	3722	10%	120	188	57%
June	4517	3773	16%	126	276	84%
July	5013	4416	12%	142	226	69%
August	4848	4437	8%	143	209	64%
September	4233	4209	0.6%	140	187	57%

* High flows began in January and continued to February 6th due to a watermain break on Birch Street.

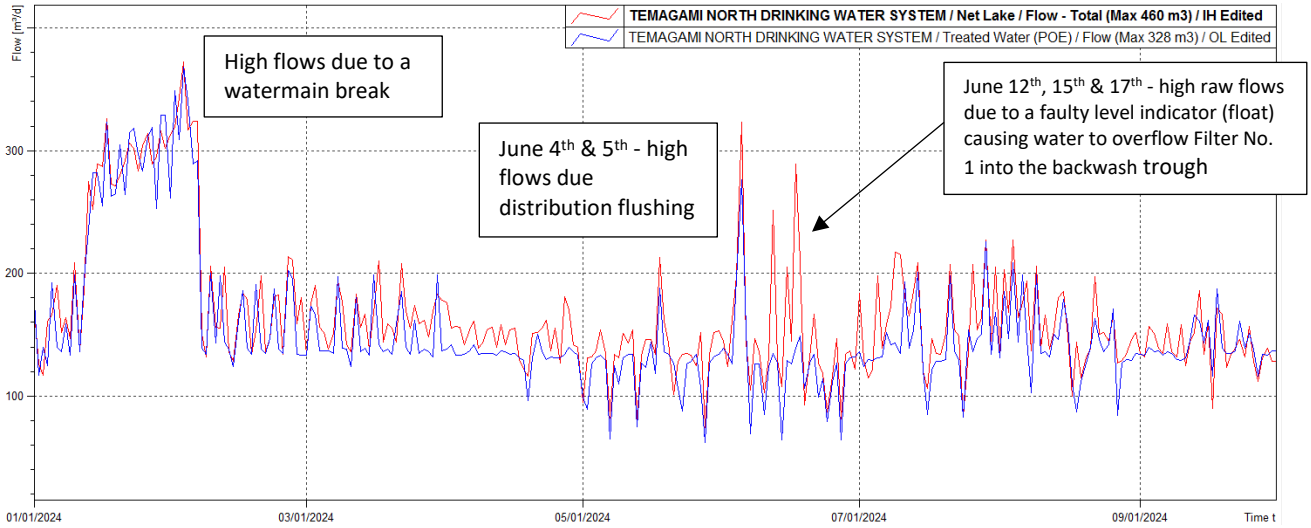

Figure 1: Temagami North WTP – Raw Water vs Treated Flow (January to September 2024)

3.2.2 Temagami North Lagoon

2024	Total Influent Flow (m^3)	Average Daily Influent Flow (m^3)	% of Average Day Rated Capacity (390 m^3/d)	Maximum Influent Flow (m^3/d)	% of Rated Maximum Capacity (1200 m^3/day)
January	7525	243	62%	307	26%
February	6477	223	57%	431	36%
March	13,408	433	111%*	930	78%
April	18,801	627	160%*	1479	123%*
May	10,616	342	88%	660	55%
June	6748	225	58%	439	37%
July	4930	159	41%	357	30%
August	4674	151	39%	227	19%
September	6932	231	59%	467	39%

* High flows occurred in March and April due to a heavy rainfall. The system exceeded the maximum allowable peak flow rate of 1200 m3/day on April 12th and 13th due to extreme rainfall.

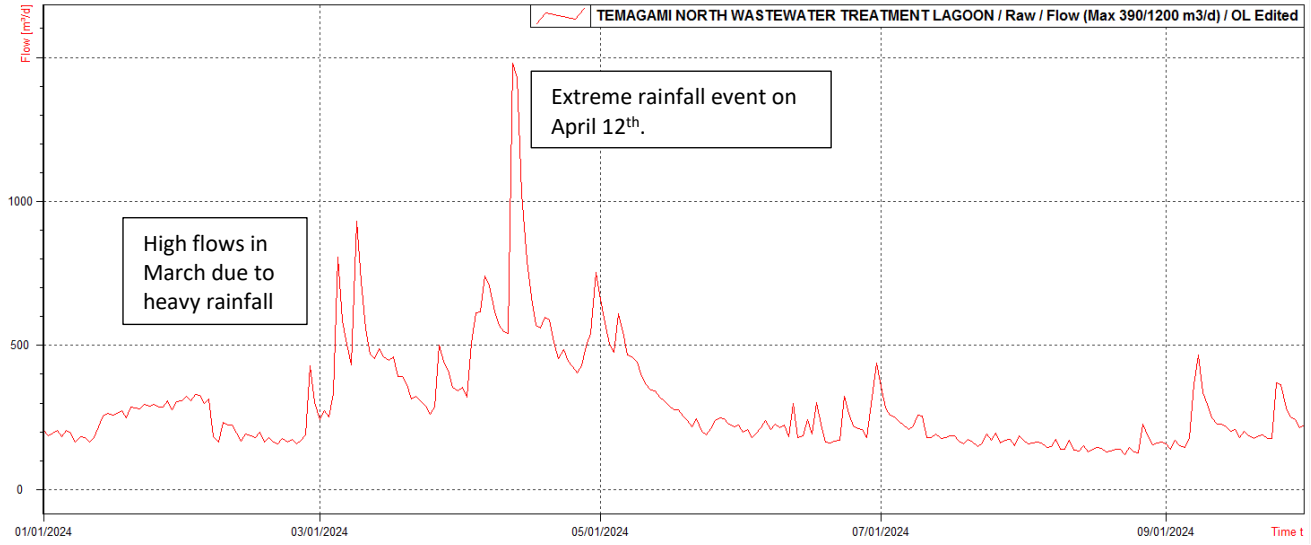

Figure 2: Temagami North Lagoon – Influent Flow (January to September 2024)

3.2.3 Temagami South Water Treatment Plant

2024	Total Raw Flow (m^3)	Total Treated Flow (m^3)	% Difference (raw – treated)	Average Daily Treated Flow (m^3)	Maximum Treated Flow (m^3)	% of the Rated Max. Capacity (950 m^3/day)
January	4707	4197	11%	135	177	19%
February	4651	4160	11%	143	191	20%
March	5477	4863	11%	157	192	20%
April	4808	4267	11%	142	184	19%
May	5835	5278	9.5%	170	243	26%
June	7708	6898	11%	230	370	39%
July	8831	7933	10%	256	341	36%
August	9997	8986	10%	290	360	38%
September	8514	7622	10%	254	317	33%

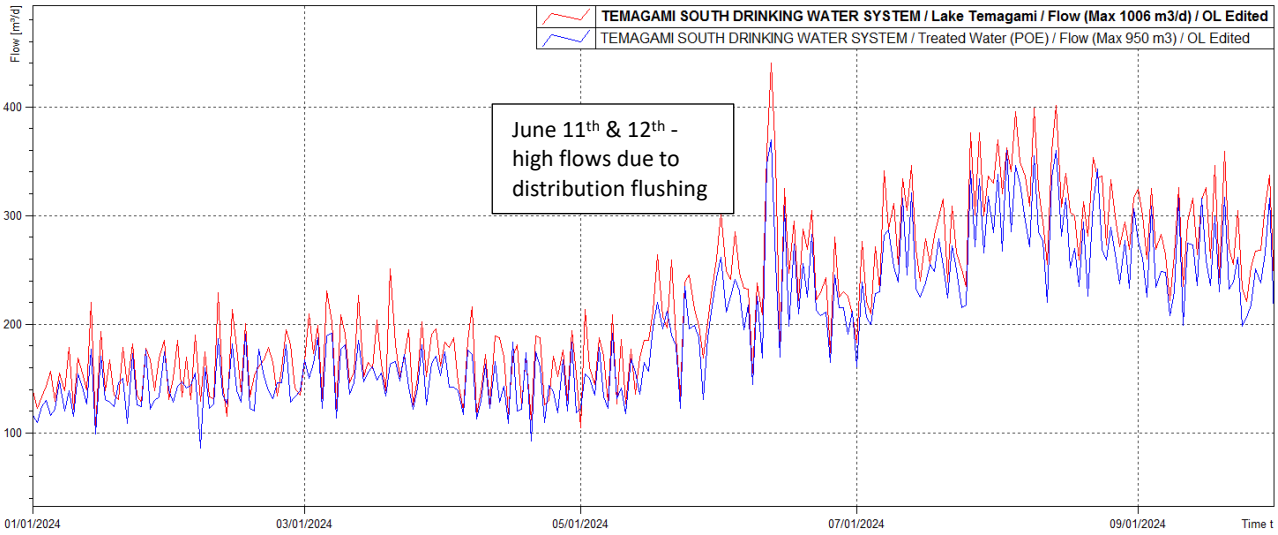

Figure 3: Temagami South WTP – Raw Water vs Treated Flow (January to September 2024)

3.2.4 Temagami South Lagoon

2024	Total Influent Flow (m^3)	Average Daily Influent Flow (m^3)	% of Average Day Rated Capacity (232 m^3/d)	Maximum Influent Flow (m^3/d)	Average Daily Effluent Flow (2877 m^3/day)
January	4492	145	63%	172	N/A
February	3896	134	58%	146	N/A
March	5384	174	75%	199	N/A
April	5587	186	80%	317	N/A
May	4573	148	64%	167	2877*
June	4544	151	65%	168	N/A
July	5393	174	75%	224	N/A
August	5527	178	77%	224	N/A
September	4196	140	60%	160	N/A

*The lagoon discharges seasonally into Snake Lake. The Spring discharge occurred from May 6th to May 30th (allowable discharge period from May 1st to June 15th)

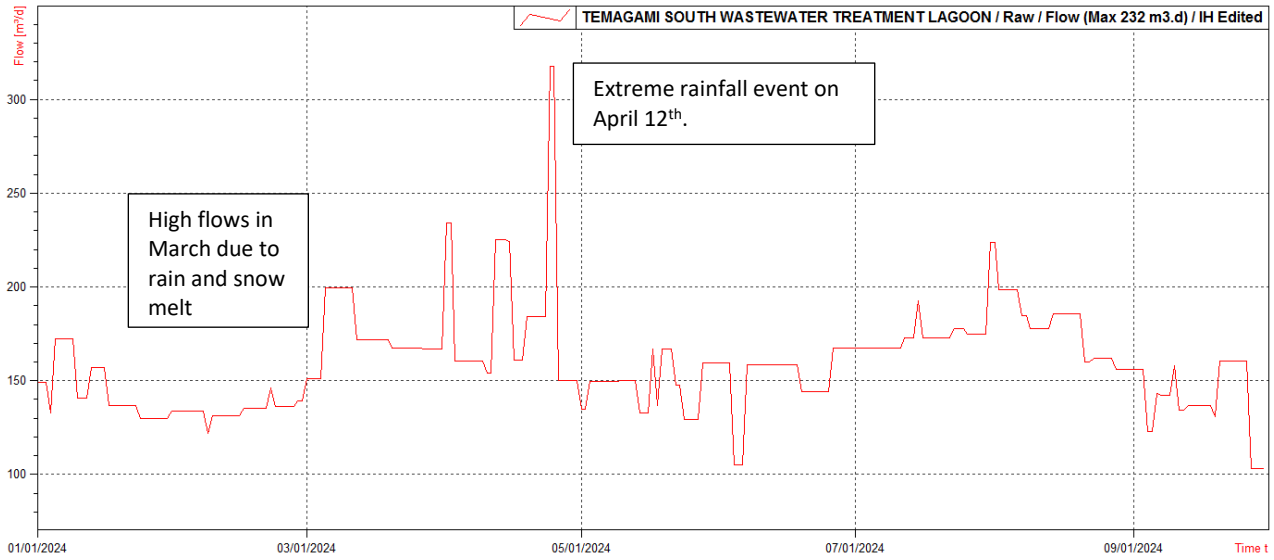

Figure 4: Temagami South Lagoon – Influent Flow (January to September 2024)

4 Asset Management

Preventative maintenance and equipment calibrations are scheduled, assigned and tracked using OCWA's Workplace Management System (Maximo). All monthly and quarterly work orders scheduled for this quarter were completed.

Corrective and emergency maintenance is also managed using Maximo. A summary of emergency and corrective work orders along with detailed maintenance reports can be made available upon request.

5 Capital & Major Maintenance Projects

Status of capital and major maintenance work completed to date in 2024

Temagami North Drinking Water System	
Project	**Status**
High flow investigation – water main break on Birch Street	Complete - February
Replaced the chlorine residual analyzer (CL-17)	Complete - March
Installed SCADA reporting package	Complete - May
Replaced raw water pH and temperature probe	Complete - May
Replaced faulty UPS and isolation card	Complete - May
Replaced raw flow control valve on Filter No. 1	Complete - June
Replaced broken soda ash transfer pump	Complete - July
Replaced Human Machine Interface (HMI) in MCC panel	Complete - August
Replaced faulty filter level control floats	Complete - August
Radio communication alarming	Complete - September
Generator service completed by contractor	Complete - September

Temagami North Lagoon	
Project	Status
Spruce Drive SPS - Installed No. 2 pump	Complete - February
Cedar SPS - Installed data logger	Complete - March
Cedar SPS - Purchased battery back-up (UPS) for critical monitoring equipment	Complete - June
Order DO probe for Net Monitoring	Complete - June
Spruce Drive SPS - generator service	Complete - September

Temagami South Drinking Water System	
Project	Status
Purchased alkalinity testing equipment	Complete - April
Installed SCADA reporting package	Complete - May
Purchased sodium hypo pump diaphragm kits	Complete - June
Repaired Hach SC 1000 controller	Complete - July
Replaced hypochlorite feed lines	Complete - August
Replaced faulty raw and treated water pH probes	Complete - August
Generator service completed by contractor	Complete - September
Replaced failed raw water flow meter	Complete - September
Repaired waste pit pump	Complete - September

Temagami South Lagoon	
Project	Status
Temagami Shores SPS - replaced alarm dialer	Complete - May

Temagami Chalet	
Project	Status
Replaced fouled UV sleeve and purchased spare	Complete - July

6 Call-Out Summary

System	Call-outs this Quarter	Total to Date in 2024
Temagami North DWS	5	10
Temagami North Lagoon	2	2
Temagami South DWS	2	7
Temagami South Lagoon	2	4
TOTAL	**11**	**23**

*Note: Not all call-outs are billed to the Owner; depends on the nature of the call.

Refer to Appendix C for a detailed after hour call back summary.

7 Complaints

No complaints were reported this quarter.

8 Health and Safety

8.1 Incidents

Number of Health and Safety Incidents reported this quarter = 0

8.2 Training

Health and Safety training sessions completed this quarter include:

- April – Safety Data Sheet (SDS) Review
- August – Psychosocial Hazards in the Workplace. Managing psychosocial hazards is crucial for maintaining a healthy and productive workplace.
- September – OCWA's STOP Program. This new health and safety initiative aims to encourage thoughtful preparation and mindful observation to manage risk at the individual and team level.

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APPENDIX A

QEMS – Summary of Internal Audit Findings

Temagami Drinking Water Systems - 2024 Summary of Findings

Corrective Actions **Preventative Actions** **Other Actions**

Mj - Major Non-conforman **OFI** - Opportunity for Improvement **AI** - Action Item **BMP** - Best Management Practices

Mn - Minor Non-conformance **C/Obs** - Comments or Observations

IMPORTANT NOTE: A root cause analysis must be completed for all Corrective Actions

Section	Description of Findings	Type	Action	Responsibility/ Assignee	Resolution Target Date
Internal Audit: (Date of report: July 12, 2024)					
OP-03 Commitment & Endorsement	A QEMS policy revision requires operational plans to be re-endorsed by OCWA's top management and the Owner. The policy was recently revised on April 22, 2024. OCWA also made revisions to several procedures within the Plan which were released in June 2024. The Operational Plan with the latest revision should be re-endorsed in before the next internal audit in 2025. Also a new CAO was appointed on July 10, 2024.	**OFI**	Obtain re-endorsements of the Plan after updates are complete	I. Bruneau, PCT/QEMS Rep.	30-Apr-25
Director's Direction	There is a new Senior Operations Manager for the system as of May 13, 2024. Schedule C is to be updated to reflect this change.	**OFI**	Update Schedule C during the next update of the Plan.	I. Bruneau, PCT/QEMS Rep.	30-Apr-25
OP-11 Personal Coverage	May want to update the ORO letter to clearly identify the ORO for each subsystem and to indicate a second alternate.	**C/Obs**	Will be considered before the end of the year after staff changes occur (retirements and re-hires)	I. Bruneau, PCT/QEMS Rep.	31-Dec-24
OP-14 Review and Provision of Infrastructure	Consider adding the word "minimum" prior to the statement; 5 year rolling Recommended Capital and Major Maintenance Report in Step 3.1 as additional years can be forecasted.	**C/Obs**	Will be considered during the next update of the Plan.	I. Bruneau, PCT/QEMS Rep.	30-Apr-25
OP-17 - Measurement & Recording Equipment Calibration & Maintenance	There is mention of a Maximo SuperUser that can enter new equipment into the system. There is an opportunity to indicate who is a SuperUser (Operations Management or designate).	**C/Obs**	Consider adding this to the procedure during the next update.	I. Bruneau, PCT/QEMS Rep.	30-Apr-25

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APPENDIX B
Quarterly Data Reports

TEMAGAMI NORTH DRINKING WATER SYSTEM
Quarterly Data Report

Ontario Clean Water Agency
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Q3: July 1 to September 30, 2024

Temagami North Drinking Water System		July	August	September	Compliance
Flows					
Raw Flow - Maximum Daily Volume	m^3/d	227	227	186	Max. = 460
Raw Flow - Maximum Flow Rate	L/min	436.8	436.8	437.4	Max. = 456
Treated Flow - Maximum Daily Volume	m^3/d	226	209	187	Max. = 328
Treated Flow - Maximum Flow Rate	L/min	652.2	651.6	648.0	Max. = 1140 (CT) [1]
Raw Water					
Total Coliforms - Maximum	c/100mL	20	1	452	N/A
E.coli - Maximum	c/100mL	< 2	1	1	N/A
Treated Water					
Free Chlorine Residual – Min.	mg/L	1.35	1.38	1.43	Min. = 0.85 (CT) [1]
Total Coliforms - Maximum	c/100mL	0	0	0	Max. = 0
E.coli - Maximum	c/100mL	0	0	0	Max. = 0
Filter 1 Turbidity - Maximum	NTU	0.10	0.20	0.30	Max. = 1
Filter 2 Turbidity - Maximum	NTU	0.68	0.20	0.19	Max. = 1
Nitrite	mg/L	< 0.05	-	-	Max. = 1
Nitrate	mg/L	< 0.05	-	-	Max. = 10
Distribution Water					
Free Chlorine Residual - Minimum	mg/L	0.21	0.31	0.20	Min. = 0.05
Total Coliforms - Maximum	c/100mL	0	0	0	Max. = 0
E.coli - Maximum	c/100mL	0	0	0	Max. = 0
Trihalomethanes (THMs)	µg/L	120 [2]	-	-	Max. = 100 µg/L (RAA) [2]
Haloacetic Acids (HAAs)	µg/L	90 [3]	-	-	Max. = 80 µg/L (RAA) [3]
Lead - Maximum	µg/L	-	-	< 0.10	Max. = 10 µg/L [4]
Alkalinity – Maximum	mg/L	-	-	39	N/A [5]

"<" denotes less than the laboratory's method detection limit

TEMAGAMI NORTH DRINKING WATER SYSTEM
Quarterly Data Report

Q3: July 1 to September 30, 2024

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Notes:

1 CT is the concentration of chlorine in the water times the time of contact that the chlorine has with the water. It is used to demonstrate the level of disinfection treatment in the water. CT calculations are performed for the Temagami North water plant if the treated flow leaving the plant goes above 1140 L/minute or the free chlorine residual level drops below 0.85 mg/L to ensure primary disinfection is achieved. Primary disinfection was achieved this quarter.

2 Maximum Allowable Concentration (MAC) for Trihalomethanes (THMs) = 100 ug/L (Four Quarter Running Average). The running average to the end of this quarter = 53.5 ug/L

3 Maximum Allowable Concentration (MAC) for Haleoacetic Acids (HAAs) = 80 ug/L (Four Quarter Running Average). The running average to the end of this quarter = 49.5 ug/L

4 Lead testing required every 3 years in March and September. Lead testing is required in 2024. First round of lead sampling was done on March 21, 2024, second round of leading testing was done on September 9, 2024.

5 Alkalinity testing required twice per year. Sampling is done in March and September of each year.

TEMAGAMI NORTH WASTEWATER TREATMENT LAGOON
Quarterly Data Report

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Q3: July 1 to September 30, 2024

Temagami North Wastewater Lagoon		July	August	September	Compliance
Flows					
Influent – Average Daily Flow	m^3/d	200	151	231	Avg. Capacity = 390
Influent – Maximum Daily Flow	m^3/d	357	227	467	Max. Capacity = 1200
Influent					
BOD_5 – Average	mg/L	43	108	101	N/A
Total Suspended Solids (TSS) – Average	mg/L	65	109	141	N/A
Total Phosphorus (TP) – Average	mg/L	1.9	3.3	2.7	N/A
Total Ammonia (TKN) – Average	mg/L	20	31	22	N/A
Effluent					
$cBOD_5$ – Average	mg/L	< 1.4	* [1]	* [1]	Monthly Average = 20
TSS – Average	mg/L	< 4.0	-	-	Monthly Average = 30
TP – Average	mg/L	0.07	-	-	Monthly Average = 0.6
Total Ammonia Nitrogen (TAN) – Average	mg/L	0.39	-	-	Monthly Average = 6
Dissolved Oxygen (DO) - Average	mg/L	7.2	-	-	N/A
Un-ionized Ammonia - Average	mg/L	0.0	-	-	N/A
E.coli - Geometric Mean (MGM) [2]	cfu/100mL	53	-	-	N/A
Temperature – Average	°C	22	-	-	N/A
pH – Minimum to Maximum		6.73 to 7.68	-	-	6.0 to 9.5 (inclusive)

"<" denotes less than the laboratory's method detection limit

Notes:

1 Effluent testing stopped on July 16th at 9:17 AM as part of the UV project and did not resume this quarter. July 5 to 16 – daily effluent sampling was conducted during the lowering of the lagoon (required under Condition 9(2) of ECA 4250-D59RYU for abnormal operating conditions)

2 MGM *for E. coli* means the monthly geometric mean density of the sample results.

TEMAGAMI SOUTH DRINKING WATER SYSTEM
Quarterly Data Report

Ontario Clean Water Agency
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Q3: July 1 to September 30, 2024

Temagami South Drinking Water System		July	August	September	Compliance
Flows					
Raw Flow - Maximum Daily Volume	m^3/d	376	401	359	Max. = 1006
Raw Flow - Maximum Flow Rate	L/min	696.6	699.6	636.6	Max. = 700
Treated Flow - Maximum Daily Volume	m^3/d	341	360	317	Max. = 950
Treated Flow - Maximum Flow Rate	L/min	760.2	769.2	691.8	Max. = 1200 (CT) [1]
Raw Water					
Total Coliforms - Maximum	c/100mL	72	23	58	N/A
E.coli - Maximum	c/100mL	38	11	5	N/A
Treated Water					
Free Chlorine Residual – Min.	mg/L	1.23	1.44	1.36	Min. = 1.00 (CT) [1]
Total Coliforms - Maximum	c/100mL	0	0	0	Max. = 0
E.coli - Maximum	c/100mL	0	0	0	Max. = 0
Filter 2 Turbidity - Maximum	NTU	0.40	0.38	0.29	Max. = 1
Nitrite	mg/L	< 0.05	-	-	Max. = 1
Nitrate	mg/L	< 0.05	-	-	Max. = 10
Distribution Water					
Free Chlorine Residual - Minimum	mg/L	0.94	1.00	0.93	Min. = 0.05
Total Coliforms - Maximum	c/100mL	0	0	0	Max. = 0
E.coli - Maximum	c/100mL	0	0	0	Max. = 0
Trihalomethanes (THMs)	µg/L	65.8	-	-	Max. = 100 µg/L (RAA) [2]
Haloacetic Acids (HAAs)	µg/L	69	-	-	Max. = 80 µg/L (RAA) [3]
Lead - Maximum	µg/L	-	-	0.30	Max. = 10 µg/L [4]
Alkalinity – Maximum	mg/L	-	-	35	N/A [5]

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TEMAGAMI SOUTH DRINKING WATER SYSTEM
Quarterly Data Report

Q3: July 1 to September 30, 2024

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Notes:

1 CT is the concentration of chlorine in the water times the time of contact that the chlorine has with the water. It is used to demonstrate the level of disinfection treatment in the water. CT calculations are performed for the Temagami South water plant if the treated flow leaving the plant goes above 1200 L/minute or the free chlorine residual level drops below 1.00 mg/L to ensure primary disinfection is achieved. Primary disinfection was achieved this quarter.

2 Maximum Allowable Concentration (MAC) for Trihalomethanes (THMs) = 100 ug/L (Four Quarter Running Average). The running average to the end of this quarter = 53.5 ug/L

3 Maximum Allowable Concentration (MAC) for Haleoacetic Acids (HAAs) = 80 ug/L (Four Quarter Running Average). The running average to the end of this quarter = 49.5 ug/L

4 Lead testing required every 3 years in March and September. Lead testing is required in 2024. First round of lead sampling was done on March 21, 2024, second round of leading testing was done on September 9, 2024.

5 Alkalinity testing required twice per year. Sampling is done in March and September of each year.

TEMAGAMI SOUTH WASTEWATER TREATMENT LAGOON
Quarterly Data Report

Ontario Clean Water Agency
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Q3: July 1 to September 30, 2024

Temagami South Wastewater System		July	August	September	Compliance
Flows					
Influent – Average Daily Flow	m^3/d	174	178	140	Avg. Capacity = 232
Influent – Maximum Daily Flow	m^3/d	224	224	160	Max. Capacity = N/A
Influent					
BOD_5 – Average	mg/L	120	-	-	N/A
Total Suspended Solids (TSS) – Average	mg/L	108	-	-	N/A
Total Phosphorus (TP) – Average	mg/L	3.5	-	-	N/A
Total Ammonia (TKN) – Average	mg/L	30	-	-	N/A
Cell Contents Prior Discharge [1]					
Total Suspended Solids (TSS)	mg/L	-	-	-	N/A
Total Phosphorus (TP)	mg/L	-	-	-	N/A
Hydrogen Sulphide (HS)	mg/L	-	-	-	N/A
E. coli	cfu/100 mL	-	-	-	N/A
Effluent					
Discharge Period [2]		Effluent was not discharged this quarter			Oct. 15 to Nov. 30
Average Discharge Flow	m^3/d	-	-	-	Max. = 2877
$cBOD_5$ – Average	mg/L	-	-	-	Annual Average = 25
BOD_5 – Average	mg/L	-	-	-	Seasonal Average = 25
BOD_5 – Loadings	kg/d	-	-	-	Seasonal Average = 71.9
TSS – Average	mg/L	-	-	-	Seasonal Average = 25
TSS – Loadings	kg/d	-	-	-	Seasonal Average = 71.9
TP – Average	mg/L	-	-	-	Seasonal Average = 1.0
TP – Loadings	kg/d	-	-	-	Seasonal Average = 2.9
Total Ammonia Nitrogen (TAN) – Average	mg/L	-	-	-	N/A
Temperature – Average	°C	-	-	-	N/A
pH – Minimum to Maximum		-	-	-	6.0 to 9.5 (operational guideline)

"<" denotes less than the laboratory's method detection limit

TEMAGAMI SOUTH WASTEWATER TREATMENT LAGOON
Quarterly Data Report

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Q3: July 1 to September 30, 2024

Notes:

1 One (1) lagoon cell sample is collected prior to the Spring and Fall discharge. No sample required this quarter.

2 The Temagami South Lagoon discharges seasonally into Snake Island Lake. The discharge period occurs from May 1 to June 15 and from October 15 to November 30 each year.

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APPENDIX C
Summary of Call-outs

ONTARIO CLEAN WATER AGENCY
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Work Order Call Back Details Report

4046657: BCA Shutdown Tem N Filt 1 6030

Asset:
Location: 6030-WTTM-P-FI 6030, Temagami North WTP, Process, Filtration

Page Time:	07/03/2024 10:00 PM
Arrive time:	07/03/2024 10:30 PM
Leave time:	07/03/2024 12:00 AM
Finish Time:	07/04/2024 09:16 AM
Report Date:	7/4/24
Reported By:	Chris Barkhouse
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	CLOSE
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY6030-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Chris Barkhouse	00:00	04:00

Log

Date	Created By	Description
7/4/24	Chris Barkhouse	

Arrived to find filter one empty and filter was shutdown. Restarted filter and noticed level control valve leaking quite a bit when it should have been closed. Cycled valve a few times and it started working properly again. Let filter fill up and monitored operation for a bit. Valve seemed to work properly after that. Reset dialer and alarms. Will look at later today possibly.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4048906: Chem pump failure Tem N WTP 6030

Asset:
Location: 6030-WTTM-P-PC 6030, Temagami North WTP, Process, Process Controls

Page Time:	07/13/2024 05:15 PM
Arrive time:	07/13/2024 06:15 PM
Leave time:	07/13/2024 07:00 PM
Finish Time:	07/13/2024 08:00 PM
Report Date:	7/14/24
Reported By:	Andrew Gervais
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	CLOSE
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY6030-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Andrew Gervais	00:00	04:00

Log

Date	Created By	Description
7/14/24	Andrew Gervais	Chem pump failure Tem N WTP 6030

Called to Tem North WTP for Hi or Low pH or BAC plant shut down alarm and chemcical pump failure alarm.
Logged in remotely and tried to reset alum pumps but they kept failing.
Drove to site and tried to restart the plant once alum pumps were visually inspected/reset.
Couldn't get the alum pumps to stay running.
Tested 100% flow of alum pumps to ensure floats would move.
Consulted with Claude.
Turned plant 1 & 2 to manual off and then back to auto to increase raw flow from 3.4 l/s to 6.8 l/s.
Reposition flow switch on alum pump mp10 rotometer as float wasn't quite able to reach it when running off one plant.
Hot flushed alum pump mp09 as it continue failing. It is still failing, need to investigate further at another time as another call came.
MP9 is turned off as MP10 is running fine.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4048907: Chem pump fail temagami north wtp6030

Asset:
Location: 6030-WTTM-P-PC 6030, Temagami North WTP, Process, Process Controls

Page Time:	07/13/2024 05:41 PM
Arrive time:	07/13/2024 05:45 PM
Leave time:	07/14/2024 06:15 PM
Finish Time:	07/13/2024 06:15 PM
Report Date:	7/14/24
Reported By:	Claude Mongrain
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	CLOSE
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY6030-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	MECHANIC	Claude Mongrain	00:00	04:00

Log

Date	Created By	Description
7/14/24	Claude Mongrain	chem pump fail
help Andrew with chem pump and plant fail		

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4090642: Chemical Pump Failure at Tem N WTP 6030

Asset:
Location: 6030-WTTM 6030, Temagami North WTP

Page Time:	
Arrive time:	
Leave time:	
Finish Time:	08/01/2024 08:18 PM
Report Date:	8/1/24
Reported By:	Shannen Knott
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY6030-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Shannen Knott	00:00	04:00

Log

Date	Created By	Description
8/1/24	Shannen Knott	Chemical Pump Failure

Call for chemical pump failure at 1759. Logged in remotely and noticed that poly pumps MP11 and MP12 for train 1 were locked out. Drove to site, reset pumps and lights indicated no flow and pumps tripped again. Hot flushed to make sure there was no blockage and reset the pumps again. Pumps tripped again. Opened the box up to look at the flow switch and noticed the lights weren't in the green. Called OIC Claude at 1852 and was instructed to adjust the flow screw on all pumps for train 1 and train 2 and test them to make sure switchover was good and that they weren't tripping. Stayed on site and monitored flow switches and manually switched them over by hand to make sure all pumps were pumping properly. Logged in remotely again at 2003 to make sure everything was good. Plant ok.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4090953: poly oump fail temagami north 6030

Asset:
Location: 6030-WTTM-P-CG 6030, Temagami North WTP, Process, Coagulation

Page Time:	08/01/2024 06:52 PM
Arrive time:	08/01/2024 06:52 PM
Leave time:	08/01/2024 07:15 PM
Finish Time:	08/01/2024 07:15 PM
Report Date:	8/2/24
Reported By:	Claude Mongrain
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	BUSCOMP
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY6030-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	MECHANIC	Claude Mongrain	00:00	04:00

Log

Date	Created By	Description
8/2/24	Claude Mongrain	poly pump fail

Shannen call me at 18:52 for help poly pump keep failing on flow monitoring got her to start the plant and adjust flow on pump flow monitor guide her to check all pump by switch over face time to be able to guide her properly until 19:12

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4047386: Lagoon Lowering Tem N Lagoon 6029

Asset:
Location: 6029-WWTM 6029, Temagami North Lagoon

Page Time:	07/06/2024 11:00 AM
Arrive time:	07/06/2024 11:30 AM
Leave time:	07/06/2024 01:00 PM
Finish Time:	07/08/2024 07:12 AM
Report Date:	7/8/24
Reported By:	Chris Barkhouse
Supervisor:	

Site:	OCWASITE
Priority:	1
Work Type:	CALL
Status:	CLOSE
Classification	PREDICTIVE MAINTENANCE
GL Account:	TEMAGY6029-21OM

Log

Date	Created By	Description
7/8/24	Chris Barkhouse	

Travel to Temagami lagoon to pull a log to lower lagoon for contractors to tie in UV piping. Take abnormal samples.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4047388: Lagoon Lowering Tem N Lagoon 6029

Asset:
Location: 6029-WWTM 6029, Temagami North Lagoon

Page Time:	07/07/2024 12:00 PM
Arrive time:	07/07/2024 12:30 PM
Leave time:	07/07/2024 02:00 PM
Finish Time:	07/08/2024 07:15 AM
Report Date:	7/8/24
Reported By:	Chris Barkhouse
Supervisor:	

Site:	OCWASITE
Priority:	1
Work Type:	CALL
Status:	CLOSE
Classification	PREDICTIVE MAINTENANCE
GL Account:	TEMAGY6029-21OM

Log

Date	Created By	Description
7/8/24	Chris Barkhouse	

Travel to Temagami North lagoon to pull another log to lower lagoon for contractors to install a UV pipe and take abnormal samples.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4048919: Chem pump failure Tem S WTP 6028

Asset:
Location: 6028-WTTM-P-PC 6028, Temagami South WTP, Process, Process Controls

Page Time:	07/14/2024 02:15 PM
Arrive time:	07/14/2024 03:30 PM
Leave time:	07/14/2024 04:00 PM
Finish Time:	07/14/2024 05:00 PM
Report Date:	7/14/24
Reported By:	Andrew Gervais
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	CLOSE
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY6028-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Andrew Gervais	00:00	04:00

Log

Date	Created By	Description
7/14/24	Andrew Gervais	Chem pump failure Tem S WTP 6028

Call at 14:19 for Tem S WTP plant BCA shutdown.
Logged in remotely to SCADA and found soda pump MP5 faulted. Reset MP5.
Started plant, and it was running/dosing using soda pump MP6.
Consulted operations group chat and was advised by Cassie/Claude to drive to site to check on MP5.
Arrived to site at 15:30.
Visually inspected MP5, switched off MP6 and started the plant. The plant is running with no issues.
Returned MP6 to auto.
Monitored plant unti 16:00.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4127302: Waste Pit High Level 6028

Asset:
Location: 6028-WTTM-P-WH 6028, Temagami South WTP, Process, Wastewater Handling

Page Time:	08/31/2024 11:00 PM
Arrive time:	08/31/2024 11:45 PM
Leave time:	09/01/2024 01:00 AM
Finish Time:	09/01/2024 09:15 AM
Report Date:	9/1/24
Reported By:	Chris Barkhouse
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY6028-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Chris Barkhouse	00:00	04:00

Log

Date	Created By	Description
9/1/24	Chris Barkhouse	

Arrived to find waste pit full and no pumps running. Found breaker in panel tripped, due to failed no 4 waste pump. Took pump 4 out of service and reset breaker. Monitored operation for a bit and reset alarms.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4050255: Called for grinder pump alarm behind grocery store in Temagami South (pump replaced)

Asset:
Location: 5997-SPTM 5997, Temagami Shores SPS

Page Time:	07/19/2024 06:17 PM
Arrive time:	07/19/2024 07:43 PM
Leave time:	07/19/2024 08:42 PM
Finish Time:	07/19/2024 08:42 PM
Report Date:	7/19/24
Reported By:	Marc Doyon
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	CLOSE
Classification	REFURBISH/REPLACE
GL Account:	TEMAGY5997-21OM

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Cassandra Legros	00:00	08:00
	INSTTECH	Marc Doyon	00:00	09:00

Log

Date	Created By	Description
7/20/24	Marc Doyon	

Called in for grinder pump alarm behind the grocery store in Temagami South. Northern Comm called three times within 20 minutes. Upon arrival it was discovered that the pit was flooded and had to be pumped out. This required a loader to transport the tote from the shop to the pump pit. A generator was used to power up the sump pump and sewage was pumped into the tote. Once the pit was clear of sewage, the pump was removed and replaced. We discovered that the shutoff valve to isolate the pump was broken and will be replaced by a plumber and also there was a crack in the elbow connected to the pipe which was temporarily taped up until the plumber could replace it the following morning. The job site was cleaned up and all the equipment, including the defective pump, was brought back to the shop.

Observations: Removing this type of pump from a depth of 8-10ft requires three workers to perform the task safely and a loader operator must also be present to transport the tote. There should be a plan to have the tote and equipment required to pump out the chamber before we arrive on site, since we must travel from out of town to assist with replacing these pumps. Even at a depth of 5ft, and the current setup of pulling the pump out with a rope, should require 3 workers to safely perform the task and avoid injuries.

7/22/24	Cassandra Legros	Called for grinder pump alarm behind grocery store in Temagami South (pump replaced)

Received a call from Marc to assist with a grinder pump that was in alarm located behind the grocery store. Drove to the location and inspected. The wetwet was flooded. Drove to the town garage and Marc contacted Barry and a town employee came to assist. We used a sump to pump the sewage out into the tote. Marc proceeded to isolate but it was broken but managed with vice scrip and proceeded to disconnect the pump. We removed the broken grinder pump and he installed the new one. Turned the grinder pump on but there was a leak at the elbow. Electrical tape was use as a

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4050255: Called for grinder pump alarm behind grocery store in Temagami South (pump replaced)

Log

Date	Created By	Description
temporary fix until a plumber could arrive the following day.		

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Work Order Call Back Details Report

4142212: Call In - Loss of Power at Shores SPS, 5997

Asset:
Location: 5997-SPTM 5997, Temagami Shores SPS

Page Time:	09/07/2024 11:21 AM
Arrive time:	09/07/2024 11:24 AM
Leave time:	09/07/2024 11:40 AM
Finish Time:	09/07/2024 11:40 AM
Report Date:	9/7/24
Reported By:	Cassandra Legros
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification	PREDICTIVE MAINTENANCE
GL Account:	TEMAGN6028-24CO

Actual Labor

Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Cassandra Legros	00:00	04:00

Log

Date	Created By	Description
9/8/24	Cassandra Legros	Call In - Loss of Power at Shores SPS, 5997

Called in for loss of power for over an hour. Logged in remotely and everything was fine. Monitored pump station for a bit. Ok