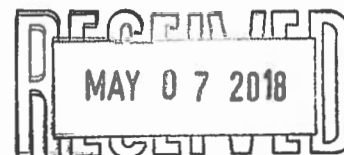


11579

**From:** Elaine Gunnell  
**Sent:** Monday, May 7, 2018 1:17 PM  
**To:** Roxanne St. Germain  
**Subject:** FW: Temagami Operations Report - 1st Quarter  
**Attachments:** Temagami Operations Report 2018 1stQ.pdf



For incoming.

*Elaine Gunnell, Dipl.M.A., AOMC*  
Municipal Clerk  
The Corporation of the Municipality of Temagami  
7 Lakeshore Drive, P.O. Box 220  
Temagami, ON P0H 2H0  
Phone: 705-569-3421 ext 208  
Email: [clerk@temagami.ca](mailto:clerk@temagami.ca)



- File  Incoming  Other
- Mayor
- Council  ~~EA~~
- CAO
- Building
- Finance  S  C
- Ec Dev  S  C
- Parks & Rec  S  C
- Planning  S  C
- Public Wks  S  C
- PPP
- Social Services
- ocwa binder*

**From:** Rebecca Marshall [mailto:RMarshall@ocwa.com]  
**Sent:** Friday, May 4, 2018 2:50 PM  
**To:** Elaine Gunnell <clerk@temagami.ca>  
**Cc:** Rebecca Marshall <RMarshall@ocwa.com>  
**Subject:** Temagami Operations Report - 1st Quarter

Good Afternoon,

Please find attached: The Temagami North and South Water and Wastewater Systems Quarterly Operations Report for the first quarter of 2018. Please do not hesitate to contact me if you have any questions.

Regards,  
**Rebecca Marshall** | Process and Compliance Technician | North Eastern Ontario Hub | Ontario Clean Water Agency | Tel: 705-648-4267 | Fax: 705-567-7974 | Email: [rmarshall@ocwa.com](mailto:rmarshall@ocwa.com)

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## Temagami North & South Water & Wastewater Systems

### SYSTEM HIGHLIGHTS

- All preventative maintenance completed as per the work management system
- Regular weekly microbiological and quarterly chemical testing completed – no exceedances
- 2017 Annual Permit to Take Water Reporting Completed
- Municipal Sewage Reporting completed for the fourth quarter of 2017

### CAPITAL WORK & PROGRESS

- Ultrasonic level transmitters were installed on all of the chemical tanks at the Temagami North and South Water Treatment Plants in March (2017 Item)
- Temagami South WTP Backwash pump removal approved
- Plans for the Temagami South WTP generator are in progress
- Items from the capital letter have not yet been approved

Temagami North WTP	
Proposed Expenditure from Capital Letter	Status
The clear wells should be inspected and if required cleaned	Waiting for Response
A submersible pump is required to supply water pressure and flow to the plant in order for it to operate when the high lift pumps are unavailable	Waiting for Response
The emergency generator should be load tested.	Waiting for Response
Chlorination system should be installed at the tower	Waiting for Response
The turbidity meters need to be replaced. The current meters are failing. Process pH will be added at the same time	Waiting for Response
The pH adjustment for the distribution water should be relocated and a pH meter installed.	Waiting for Response
Chemical pump parts	Waiting for Response
Soda Ash pumps	Waiting for Response
Generator Water Treatment/Pump Station – Annual Service	Waiting for Response
Painting of Floors	Waiting for Response
Repairing doors	Waiting for Response
Insulating of the Plant	Waiting for Response
SCADA programming repair	Waiting for Response

<b>Temagami North WTP</b>	
<b>Proposed Expenditure from Capital Letter</b>	<b>Status</b>
DWQMS External Audit	Required

<b>Temagami North Lagoon</b>	
<b>Proposed Expenditure from Capital Letter</b>	<b>Status</b>
Generator at Spruce Drive Pump Station – Annual Service	Waiting for Response
Spruce Drive Pumping station clean out	Waiting for Response

<b>Temagami South WTP</b>	
<b>Proposed Expenditure from Capital Letter</b>	<b>Status</b>
Computer and Printer	Completed
The pH adjusted for the distribution water should be relocated and a pH meter added.	Waiting for Response
Chemical pump parts	Waiting for Response
DR3900 Spectrophotometer	Waiting for Response
Painting of Floors	Waiting for Response
Repairing doors	Waiting for Response
Insulating of the Plant	Waiting for Response
DWQMS External Audit	Required

<b>Temagami South Lagoon</b>	
<b>Proposed Expenditure from Capital Letter</b>	<b>Status</b>
Sludge needs to be removed from the sewage lagoon.	Waiting for Response
Chemical tank valves and piping renewal	Waiting for Response
Ferric tank clean out	Waiting for Response

**QUALITY & ENVIRONMENTAL MANAGEMENT SYSTEM (QEMS) PROGRESS**

- The Operational Plan will be revised in the next quarter to reflect the recent update of the Drinking Water Quality Management Standard to Version 2.0.
- The third party re-accreditation audit will be completed by SAI Global next quarter.

**MOECC INSPECTIONS & FINDINGS**

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- There were no inspections during the quarter.

**HEALTH & SAFETY**

---

- The monthly Health and Safety inspections were completed.
- Training Topics: Chemical Use and Handling, Hearing Protection and Emergency Showers and Eyewash Stations

**INCIDENTS & COMPLAINTS**

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**Temagami North DWS**

- Category 1 Watermain Break on February 10 at Hydrant #13 on Birch Crescent – Valve to hydrant was turned off (repairs to be completed in warmer weather). No notifications required.

**Temagami South DWS**

- Loss of coagulant (AWQI 138928) - The chemical pump was accidentally left on pause after it was cleaned on March 14. On March 16 there were some process issues which led to the discovery of the loss of coagulant. The chemical pump was immediately turned back on and microbiological sampling was conducted to ensure that water in the distribution system was properly disinfected. All tests were good. Operators are investigating ways to alarm the system to prevent this problem from occurring in the future. MOECC Spills Action Center and local MOH notified.

**Temagami South Lagoon**

- Sewage Line Break on January 17 at 6718A Wildflower Ave – the break occurred at the sanitary system connection beside the building and sewage was running across the street. The connection was shut off and repaired and a sucker truck was used to clean up the raw sewage. MOECC Spills action center and the local MOH were notified.

**CALL-BACK SUMMARY**

---

System	Call-Backs this Quarter	Total Call-Backs to Date
Temagami North WTP	4	4
Temagami North Lagoon	4	4
Temagami South WTP	11	11
Temagami South Lagoon	2	2
Total	21	21

Please see Appendix A for Call-Back details

**DRINKING WATER SYSTEM PERFORMANCE SUMMARY**

Temagami North Drinking Water System		Jan	Feb	Mar	Compliance
Maximum Daily Raw Flow Volume (m <sup>3</sup> /d)		205	272	183	Max 460
Maximum Peak Raw Flow Rate (L/min)		406	381	373	Max 456
Maximum Treated Flow (m <sup>3</sup> /d)		171	253	160	Max 328
Total Treated Flow (m <sup>3</sup> /d)		4701	4166	4348	-
Free Chlorine Residual from analyzer (mg/L)		1.09 to 1.76	1.07 to 1.66	1.20 to 1.55	Min 0.85
Distribution Chlorine Residual (mg/L)		0.52 to 1.47	0.48 to 1.39	0.52 to 1.48	Min 0.05
Percent of time turbidity was below 0.3 NTU	Filter 1	100	100	100	Min 95%
	Filter 2	100	100	100	

Temagami South Drinking Water System		Jan	Feb	Mar	Compliance
Maximum Daily Raw Flow Volume (m <sup>3</sup> /d)		292	272	342	Max 1,005
Maximum Peak Raw Flow Rate (L/min)		603	607	602	Max 700
Maximum Treated Flow (m <sup>3</sup> /d)		279	219	222	Max 950
Total Treated Flow (m <sup>3</sup> /d)		7043	5145	5747	-
Free Chlorine Residual from analyzer (mg/L)		1.24 to 1.63	1.21 to 1.46	0.44* to 1.55	Min 1.00
Distribution Chlorine Residual (mg/L)		0.68 to 1.51	0.36 to 1.39	0.30 to 1.54	Min 0.05
Percent of time turbidity was below 0.3 NTU (filter 2)		100	100	99.9	Min 95%

*\*Low chlorine caused by an airlock in the chemical pump; the plant shut off automatically and a Contact Time calculation was completed to ensure that any water directed to users was properly disinfected.*

**WASTE WATER TREATMENT SYSTEM PERFORMANCE SUMMARY**

Temagami North Lagoon	Jan	Feb	Mar	Compliance (ECA)
<b>AS PER THE ENVIRONMENTAL CERTIFICATE OF APPROVAL</b>				
Average Daily Flow - Influent (m <sup>3</sup> /day)	212	160	152	Max 390 ( <i>annual average</i> )
Max Daily Flow (m <sup>3</sup> /day)	403	188	241	Max 1,200/day
Total Volume Treated (m <sup>3</sup> )	6584	4475	4712	-
cBOD <sub>5</sub>	2.6	2.5	1.5	25 mg/L ( <i>annual average</i> )
Total Suspended Solids	2.5	2	<1	25 mg/L ( <i>annual average</i> )
Total Phosphorous	0.076	0.114	0.114	1.0 mg/L ( <i>annual average</i> )
(Ammonia + Ammonium) Nitrogen	2.22	2.91	2.07	-
pH	7.18 to 7.34	7.09 to 7.31	7.36 to 7.41	6.0 to 9.5 (inclusive)
<i>Escherichia coli</i> ( <i>E. coli</i> ) (cfu/100mL)	780	2000	745	Geometric Mean of 200 ( <i>objective</i> )
<b>AS PER WASTEWATER SYSTEM EFFLUENT REGULATIONS (WSER)</b>				
cBOD <sub>5</sub>	2.6	2.5	1.5	25 mg/L ( <i>quarterly average</i> )
Total Suspended Solids	2.5	2	<1	25 mg/L ( <i>quarterly average</i> )

Temagami South Lagoon	Jan	Feb	Mar	Compliance (ECA)
<b>AS PER THE ENVIRONMENTAL CERTIFICATE OF APPROVAL</b>				
Average Daily Flow - Influent (m <sup>3</sup> /day)	168	169	149	Annual Average of 232
Total Volume Treated (m <sup>3</sup> )	4877	4388	4330	-

# **APPENDIX A**

## **CALL BACK REPORTS**

## Work Order Call Back Details Report

626156: call SPS high level 6029

**Asset:**  
**Location:** 6029-WWSP      6029, Temagami North Lagoon Spruce Pumping Station

<b>Page Time:</b>	01/04/2018 09:45 PM
<b>Arrive time:</b>	01/04/2018 10:25 PM
<b>Leave time:</b>	01/04/2018 10:35 PM
<b>Finish Time:</b>	01/04/2018 11:15 PM
<b>Report Date:</b>	1/5/18
<b>Reported By:</b>	Claude Mongrain
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	CLOSE
<b>Classification:</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6029S-000

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

Log		
Date	Created By	Description
1/5/18	Claude Mongrain	call high level
check station all ok		



## Work Order Call Back Details Report

626560: Chemical pump fail 6030

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

<b>Page Time:</b>	01/05/2018 10:30 AM
<b>Arrive time:</b>	01/05/2018 11:15 AM
<b>Leave time:</b>	01/05/2018 02:00 PM
<b>Finish Time:</b>	01/05/2018 02:00 PM
<b>Report Date:</b>	1/9/18
<b>Reported By:</b>	Josh Dubois
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	CLOSE
<b>Classification</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6030W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Josh Dubois	03:30	00:00

Log		
Date	Created By	Description
1/9/18	Josh Dubois	Chemical pump failure - plant shut down
<p>Call for chem pump failure at temagami north WTP. Upon arrival plant shutdown and soda ash pre and post chem pumps failed. During troubleshooting/testing it was determined soda ash tank lines were frozen. Attempted to hot flush and try operation, still appeared to be frozen partially. Took apart strainers and removed ice, hot flushed again for longer. Started plant back up and all is ok. Placed portable heater beside lines in freezing location.</p>		

## Work Order Call Back Details Report

628110: Chem Pump Fail alarm Temagami South 6028

Asset:

Location: 6028-WTTM-P 6028, Temagami South WTP, Process

Page Time:	01/18/2018 09:45 PM
Arrive time:	01/18/2018 10:45 PM
Leave time:	01/19/2018 12:15 AM
Finish Time:	01/19/2018 08:12 AM
Report Date:	1/19/18
Reported By:	Chris Barkhouse
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM6028W-000

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

Log		
Date	Created By	Description
1/19/18	Chris Barkhouse	Respond to chem pump fail alarm. Arrived to find both pre soda pumps tripped. Flushed pumps with hot water. Restart plant and monitor operation for a bit. CL17 dropped to 0.99 earlier as well for three minutes. Performed a CT calculation and we met CT. HL pumps were off at the time.

## Work Order Call Back Details Report

628319: Low Chlorine Temagami South WTP 6028

Asset:  
 Location: 6028-WTTM-P-DI 6028, Temagami South WTP, Process, Disinfection

Page Time:	01/21/2018 02:30 AM
Arrive time:	01/21/2018 02:45 AM
Leave time:	01/21/2018 03:15 AM
Finish Time:	01/21/2018 10:27 AM
Report Date:	1/21/18
Reported By:	Chris Barkhouse
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification	COMPLIANCE
GL Account:	TEMAGM6028W-000

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

Log		
Date	Created By	Description
1/21/18	Chris Barkhouse	

Respond to Low chlorine residual in Temagami South WTP. Review trend on Wonder ware and determined that it was a momentary dip on chlorine analyzer. Residual dropped to 0.87 for one cycle and then returned to normal. No CT calculation was necessary as the High Lift pumps were not running.

## Work Order Call Back Details Report

628578: Temagami WTP low CL2 - 6028

Asset:

Location: 6028-WTTM      6028, Temagami South WTP

Page Time:	01/22/2018 10:30 AM
Arrive time:	01/22/2018 10:45 AM
Leave time:	01/22/2018 11:30 AM
Finish Time:	01/22/2018 11:30 AM
Report Date:	1/23/18
Reported By:	Josh Dubois
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Josh Dubois	00:00	04:00

Log		
Date	Created By	Description
1/23/18	Josh Dubois	Temagami S WTP low CL2

Upon call in, log into Wonderware on computer. Review trends, see CL17 dipped to 1.00mg/L. Right on setpoint for alarm, stayed 1.00mg/L for one cycle then returned back to normal. Multiple issue in the last week, contact Rico In regards to replacing either process pump or CL17 cell to diagnose problem.

## Work Order Call Back Details Report

628682: Temagami South Low CL2 - 6028

Asset:  
 Location: 6028-WTTM      6028, Temagami South WTP

<b>Page Time:</b>	01/23/2018 06:15 PM
<b>Arrive time:</b>	01/23/2018 06:30 PM
<b>Leave time:</b>	01/23/2018 07:00 PM
<b>Finish Time:</b>	01/23/2018 07:00 PM
<b>Report Date:</b>	1/24/18
<b>Reported By:</b>	Josh Dubois
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	COMP
<b>Classification:</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Josh Dubois	00:00	04:00

Log		
Date	Created By	Description
1/24/18	Josh Dubois	Checked wonderware trends. A dip in the cell again for 1 cycle. Went to 1.00mg/L and hi lifts were off. No CT calculation needed. Dip was from 18:14:18 to 18:16:50. Cycles back to normal (1.26mg/L) Instrument tech has been previously noted and is working on this system first thing Wednesday, the 24th, morning.

## Work Order Call Back Details Report

628683: Temagami south low CL2

**Asset:**  
**Location:** 6028-WTTM      6028, Temagami South WTP

<b>Page Time:</b>	01/23/2018 10:30 PM	<b>Site:</b>	OCWASITE
<b>Arrive time:</b>	01/23/2018 11:15 PM	<b>Priority:</b>	5
<b>Leave time:</b>	01/23/2018 11:45 PM	<b>Work Type:</b>	CALL
<b>Finish Time:</b>	01/24/2018 12:30 AM	<b>Status:</b>	COMP
<b>Report Date:</b>	1/24/18	<b>Classification:</b>	REFURBISH/REPLACE
<b>Reported By:</b>	Josh Dubois	<b>GL Account:</b>	TEMAGM6028W-000
<b>Supervisor:</b>			

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Josh Dubois	00:00	04:00

Log		
Date	Created By	Description
1/24/18	Josh Dubois	Temagami south low CL2
Checked wonderware trends. A dip in the cell again for 1 cycle. Went to 1.00mg/L and hi lifts were running but plant shutdown immediately. A CT calc was performed and CT was met. Instrumentation technician has been previously noted of this issue and is schedule to perform repair/maintenance first thing Wednesday, the 24th, morning.		

## Work Order Call Back Details Report

628934: Plant Shutdown 6030

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

<b>Page Time:</b>	01/11/2018 12:15 AM
<b>Arrive time:</b>	01/11/2018 01:15 AM
<b>Leave time:</b>	01/11/2018 03:30 AM
<b>Finish Time:</b>	01/11/2018 01:15 AM
<b>Report Date:</b>	1/11/18
<b>Reported By:</b>	Eddie Hillman
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	COMP
<b>Classification:</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6030W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	SUPER	Eddie Hillman	00:00	04:00

Log		
Date	Created By	Description
1/26/18	Eddie Hillman	Plant Shutdown

When I arrived, I found that the plant was shutdown. Reset the plant and troubleshoot to find what had caused the shutdown. Looks like it was an issue that happened at the end of a backwash. Possibly backwash flow.

## Work Order Call Back Details Report

629178: Low Chlorine Alarm

Asset:

Location: 6028-WTTM

6028, Temagami South WTP

Page Time:	01/27/2018 10:00 AM
Arrive time:	01/27/2018 10:45 AM
Leave time:	01/27/2018 11:15 AM
Finish Time:	01/27/2018 11:15 AM
Report Date:	1/29/18
Reported By:	Bryce Logan
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	04:00

Log		
Date	Created By	Description
1/29/18	Bryce Logan	Call For low Chlorine
Chlorine dropped and came right back up while plant was off line no CT calc needed this was caused by faulting photo cell in chlorine analyzer. It needs to be replaced.		



## Work Order Call Back Details Report

629179: Low Chlorine alarm

Asset:  
 Location: 6028-WTTM      6028, Temagami South WTP

Page Time:	01/27/2018 10:00 PM
Arrive time:	01/27/2018 10:45 PM
Leave time:	01/27/2018 11:15 PM
Finish Time:	01/27/2018 11:15 PM
Report Date:	1/29/18
Reported By:	Bryce Logan
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification	REFURBISH/REPLACE
GL Account:	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	04:00

Log		
Date	Created By	Description
1/29/18	Bryce Logan	Low Chlorine Alarm

Call for low chlorine alarm. The Chlorine dropped and came right back up. Plant was offline so no need for CT calculation. this problem was caused by faulty Photocell in CL-17.

## Work Order Call Back Details Report

661902: High Level Alarm 6029

**Asset:**  
**Location:** 6029-WWSP      6029, Temagami North Lagoon Spruce Pumping Station

<b>Page Time:</b>	02/03/2018 04:45 AM
<b>Arrive time:</b>	02/03/2018 05:30 AM
<b>Leave time:</b>	02/03/2018 06:15 AM
<b>Finish Time:</b>	02/03/2018 06:15 AM
<b>Report Date:</b>	2/5/18
<b>Reported By:</b>	Bryce Logan
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	COMP
<b>Classification</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6029S-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	04:00

Log		
Date	Created By	Description
2/5/18	Bryce Logan	On Arrival found nothing wrong level in pit was down and pumps both operating properly. Cause is the faulty wire that needs proper repair

## Work Order Call Back Details Report

662403: call water break temagami north 6030

Asset:  
 Location: 6030-WTTW      6030, Temagami North WTP Tower

Page Time:	02/10/2018 05:30 PM
Arrive time:	02/10/2018 06:30 PM
Leave time:	02/11/2018 05:30 AM
Finish Time:	02/11/2018 06:30 AM
Report Date:	2/11/18
Reported By:	Claude Mongrain
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM6030W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	MECHANIC	Claude Mongrain	00:00	13:30

Log		
Date	Created By	Description
2/11/18	Claude Mongrain	call water break
#13 hydrant leaking try to get on valve full off frozen sand town call for located and vac truck got to valve after almost 9 hour due to cold weather		

## Work Order Call Back Details Report

664384: High/Low Wetwell Level 6029

**Asset:**  
**Location:** 6029-WWSP      6029, Temagami North Lagoon Spruce Pumping Station

<b>Page Time:</b>	02/13/2018 02:15 AM
<b>Arrive time:</b>	02/13/2018 03:00 AM
<b>Leave time:</b>	02/13/2018 05:00 AM
<b>Finish Time:</b>	02/13/2018 05:00 AM
<b>Report Date:</b>	2/12/18
<b>Reported By:</b>	Eddie Hillman
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	COMP
<b>Classification:</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6029S-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	SUPER	Eddie Hillman	00:00	04:00

Log		
Date	Created By	Description
2/21/18	Eddie Hillman	High/Low Wetwell Level
When I arrived I found that nothing was wrong. Seems like the temperature may have caused the issue. Station wiring needs to be repaired.		

## Work Order Call Back Details Report

700148: call plant shut down temagami north wtp 6030

Asset:

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

Page Time:	03/08/2018 09:30 PM
Arrive time:	03/08/2018 10:30 PM
Leave time:	03/08/2018 11:00 PM
Finish Time:	03/09/2018 12:00 AM
Report Date:	3/9/18
Reported By:	Claude Mongrain
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM6030W-000

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

Log		
Date	Created By	Description
3/9/18	Claude Mongrain	call plant shut down
found #1 plant shut down reset and monitor suspect fault at backwash ending		

## Work Order Call Back Details Report

700439: call pump fail 5997 SPS

Asset:  
 Location: 5997-WLTM      5997, Temagami South Lagoon

Page Time:	03/12/2018 06:00 AM
Arrive time:	03/12/2018 06:05 AM
Leave time:	03/12/2018 06:15 AM
Finish Time:	03/12/2018 06:45 AM
Report Date:	3/12/18
Reported By:	Claude Mongrain
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM5997S-000

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

Log		
Date	Created By	Description
3/12/18	Claude Mongrain	call pump fail
talk to josh about it and he will check today		

## Work Order Call Back Details Report

700733: #2 pump tripped

Asset:  
 Location: 5997-WLTM 5997, Temagami South Lagoon

Page Time:	03/14/2018 06:45 PM
Arrive time:	03/14/2018 07:30 PM
Leave time:	03/14/2018 08:15 PM
Finish Time:	03/15/2018 10:48 AM
Report Date:	3/15/18
Reported By:	Bryce Logan
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM5997S-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	04:00

Log		
Date	Created By	Description
3/15/18	Bryce Logan	Pump # 2 tripped
<p>Found number 2 pump tripped, reset overloads and tested the pump tripped almost immediately, reversed motor and ran backwards to clear blockage, returned to forward rotation tested seems all ok let the pump run for 10 minutes and it did not trip. Blockage cleared.</p>		

## Work Order Call Back Details Report

701008: Low Chlorine Alarm 6028

Asset:

Location: 6028-WTTM-F 6028, Temagami South WTP, Facility

Page Time:	03/17/2018 08:00 AM
Arrive time:	03/17/2018 08:45 AM
Leave time:	03/17/2018 06:00 PM
Finish Time:	03/17/2018 06:00 PM
Report Date:	3/19/18
Reported By:	Bryce Logan
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	10:00

Log		
Date	Created By	Description
3/19/18	Bryce Logan	Call For low Chlorine residual
<p>On Arrival found that the clearwell chlorine was at 0.99mg/l, and the ph was at 7.7. triggered a manual backwash on the plant to pull some of the water out of the clearwell and put it to waste to make room for new water with higher chlorine dosage and lower ph. Took multiple hand held chlorine readings of the clearwell water at the same point as the CL-17, and found that the reading was off by 0.1mg/l, the actual value was 1.10mg/l not 0.99. changed setting on analyzer. turned up the hypo dosage to help raise the chlorine residual and turned the post soda ash down to reduce the PH. turned highlifts back on. Took 3 distribution samples to comply with the 24hour separation between samples due to loss of primary disinfection on the plant due to alum pump failed and plant kept running with out dosing chemicals.</p>		



## Work Order Call Back Details Report

701011: High level alarm 6029

**Asset:**  
**Location:** 6029-WWSP      6029, Temagami North Lagoon Spruce Pumping Station

<b>Page Time:</b>	03/18/2018 08:00 PM
<b>Arrive time:</b>	03/18/2018 08:45 PM
<b>Leave time:</b>	03/18/2018 10:30 PM
<b>Finish Time:</b>	03/18/2018 10:30 PM
<b>Report Date:</b>	3/19/18
<b>Reported By:</b>	Bryce Logan
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	COMP
<b>Classification:</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6029S-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	04:00

Log		
Date	Created By	Description
3/19/18	Bryce Logan	High Level Alarm
Call for high level alarm on arrival found nothing wrong pit was pumped down all ok. Caused by the splice in the transponder head wire.		

## Work Order Call Back Details Report

701691: low Chlorine Alarm 6028

**Asset:**  
**Location:** 6028-WTTM      6028, Temagami South WTP

<b>Page Time:</b>	03/25/2018 10:00 AM
<b>Arrive time:</b>	03/25/2018 10:45 AM
<b>Leave time:</b>	03/26/2018 12:00 PM
<b>Finish Time:</b>	03/25/2018 10:00 AM
<b>Report Date:</b>	3/26/18
<b>Reported By:</b>	Bryce Logan
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	COMP
<b>Classification:</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	04:00

Log		
Date	Created By	Description
3/26/18	Bryce Logan	Low Chlorine Alarm

Call for low CL2 alarm. CL2 was at 1.01 when I arrived but had dropped to 0.99 and shut the plant down and high lifts. found the number 1 hypo pump air locked. tested pump to see why it wouldn't trip out and switch over, found that about every 5 strokes of the pump the plunger would move not allowing the alarm to trigger switching over the pumps. Bled the air from the pump and primed the line. Restarted the plant and turned highlifts back online. CL2 jumped up to 1.13mg/l and continued to climb. Will need to change suction line on hypo pump most likely a pin hole in the line or crack causing air to get in.

## Work Order Call Back Details Report

701706: Low Chlorine Alarm 6028

Asset:  
 Location: 6028-WTTM      6028, Temagami South WTP

<b>Page Time:</b>	03/21/2018 10:00 PM
<b>Arrive time:</b>	03/21/2018 10:45 PM
<b>Leave time:</b>	03/22/2018 03:00 AM
<b>Finish Time:</b>	03/22/2018 03:00 AM
<b>Report Date:</b>	3/26/18
<b>Reported By:</b>	Bryce Logan
<b>Supervisor:</b>	

<b>Site:</b>	OCWASITE
<b>Priority:</b>	5
<b>Work Type:</b>	CALL
<b>Status:</b>	COMP
<b>Classification:</b>	REFURBISH/REPLACE
<b>GL Account:</b>	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	INSTTECH	Bryce Logan	00:00	04:00

Log		
Date	Created By	Description
3/26/18	Bryce Logan	Call for plant shut down
<p>On arrival found plant shut down and CL2 at .98mg/l Checked pumps for proper operation OK checked hypo line for a leak and did not find a leak pulled injector and tested pump. Hypo pumped out of the injector everything seems ok. Turned up hypo dosage from 3.8 to 4.1mg/l waiting till Chlorine started to climb but it kept dropping, triggered a manual backwash on plant to use up some clearwell water and circulate the water in the clearwell. Left highlifts off and the Low CL2 alarm off for the night and left the plant running to give it time to fill up and allow the Chlorine to come up. Will check in the morning.</p>		

## Work Order Call Back Details Report

740218: Low CL2 Alarm Temagami South WTP 6028

Asset:

Location: 6028-WTTM-P-DI 6028, Temagami South WTP, Process, Disinfection

Page Time:	03/30/2018 04:45 AM
Arrive time:	03/30/2018 05:30 AM
Leave time:	03/30/2018 11:45 AM
Finish Time:	03/30/2018 11:45 AM
Report Date:	4/2/18
Reported By:	Josh Dubois
Supervisor:	

Site:	OCWASITE
Priority:	5
Work Type:	CALL
Status:	COMP
Classification:	REFURBISH/REPLACE
GL Account:	TEMAGM6028W-000

Actual Labor				
Task ID	Craft	Labor	Regular Hours	Premium Hours
	OPERATOR	Josh Dubois	00:00	08:00

Log		
Date	Created By	Description
4/2/18	Josh Dubois	Low CL2 alarm

MP1 was air locked. Upon investigation it appeared to be the dosing monitor that was allowing air into the system, causing the air lock. The dosing monitor also was causing MP1 to not fail due to its nature of failure not triggering a fault. Using parts within the plant from spare units, repaired the entire MP1 system with a working dosing monitor and testing the pump failure operations. Pump is now working and falling properly.