

Sabrina Picard

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**From:** Patrick Cormier  
**Sent:** Monday, February 09, 2015 1:49 PM  
**To:** Sabrina Picard  
**Subject:** FW: Temagami December Operations Report  
**Attachments:** Temagami Operations Report December 2014.pdf

For incoming.

*Patrick Cormier*  
CAO  
Municipality of Temagami

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**From:** Rebecca Marshall [mailto:RMarshall@ocwa.com]  
**Sent:** Thursday, February 05, 2015 3:22 PM  
**To:** Patrick Cormier  
**Cc:** Michael Del Monte; Eric Nielson; Claude Mongrain; Rebecca Marshall  
**Subject:** Temagami December Operations Report

Good Afternoon,

Please find attached: the December Operations Report for the Temagami Water and Wastewater Systems.

Regards,

**Rebecca Marshall** | Process and Compliance Technician | North Eastern Ontario Hub | Ontario Clean Water Agency | Tel: 705-567-3955  
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**Temagami Water & Wastewater Systems**

**OPERATIONAL OVERVIEW**

**DECEMBER 2014**

**SYSTEM REPAIRS CHANGES & IMPROVEMENTS**

- Overall the plants are running well.
- Two chemical pumps still need to be replaced at the Temagami South WTP. The pumps are currently out of service and are obsolete. Pumps from the second plant are being used until new pumps are approved and ordered.

**CAPITAL PLAN PROGRESS**

- Recommended projects for the upcoming year have been outlined in the 2015 capital letter

**ASSET MANAGEMENT**

- All preventative maintenance scheduled for the month of December has been completed.

**INCIDENTS & COMPLAINTS**

- There have been no AWQIs, spills, bypasses, ECA exceedances, other incidents or community complaints documented during the month of December.

**CALL-IN SUMMARY**

System	Call-Ins this Month	Total Call-Ins to Date
<b>Temagami North WTP</b> <i>Dec 13 - #1 plant shutdown. Upon investigation, looked like plant started a backwash just at the end of it's clearwell filing cycle. The plant shut down and the clearwell level did not reach the set point so the filter did not run and possibly did not complete it's cycle. Checked over the plant status and started the plant up. Monitored plant operation for a while, all OK.</i> <i>Dec 18 - Chemical pump failure: Soda Ash tank empty due to high flows caused by a water break.</i>	2	8
<b>Temagami North Lagoon*</b> <i>Dec 10 - High Level alarm at Spruce Drive PS. Checked power to station and pump operation. Checked pump station level, seemed OK.</i> <i>Dec 29 - High Level alarm at Spruce pumping station. Checked level, checked pumps to make sure they were pumping. Opened manhole to check flow. Monitored station for a while - all seemed ok.</i> <i>Dec 30 - PD - High Level alarm at Spruce pumping station. Checked level, checked pumps to make sure they were pumping. Opened manhole to check flow. Monitored station for a while - all seemed ok.</i>	3	5
<b>Temagami South WTP</b>	0	0
<b>Temagami South Lagoon</b>	0	0
<b>Total</b>	<b>4</b>	<b>8</b>

\*Note - Temagami North Lagoon - high level callouts are a result of the existing pumps not having enough head to completely overcome the resistance in the upper lagoon; this greatly diminishes pumping capacity. This problem is outlined in the ECA that OCWA engineering is preparing and it is recommended that the pumps be changed.

**MOE/MOL INSPECTIONS & FINDINGS**

- Temagami North and South Drinking Water Systems were inspected on December 2 by the Ministry of the Environment. Both inspections were unannounced and focused. The inspection reports are still pending at this time.

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

- July19767
- July19767
- The Management Review Meeting, a requirement of the Quality Management System, was held on December 3, 2014.

**HEALTH & SAFETY**

- Health and safety issues are addressed as soon as they are identified; any repairs or maintenance is tracked through the agencies work management system.
- Health & safety training topic: Machine Guarding

**DRINKING WATER SYSTEM PERFORMANCE SUMMARY**

DECEMBER 2014

**WATER USAGE & TREATMENT MONITORING**

Temagami North Drinking Water System	Result	Compliance
Total Monthly Raw Flow (m <sup>3</sup> )	4,590	-
Maximum Daily Raw Flow (m <sup>3</sup> /d)	208	Max 460
Total Monthly Treated Flow (m <sup>3</sup> )	4,178	-
Maximum Treated Flow Rate (m <sup>3</sup> /d)	199	Max 328
Average Treated Flow (m <sup>3</sup> /d)	135	-
Free Chlorine Residual from analyzer (mg/L)	1.52 to 2.04	0.80 to 4.0
Distribution Chlorine Residual (mg/L)	0.32 to 2.17	Min 0.05
Percent of time turbidity was below 0.3 NTU	100	Min 95%

Temagami South Drinking Water System	Result	Compliance
Total Monthly Raw Flow (m <sup>3</sup> )	9,823	-
Maximum Daily Raw Flow (m <sup>3</sup> /d)	556	Max 1,005
Total Monthly Treated Flow (m <sup>3</sup> )	9,256	-
Maximum Treated Flow Rate (m <sup>3</sup> /d)	504	Max 950
Average Treated Flow (m <sup>3</sup> /d)	299	-
Free chlorine residual from analyzer (mg/L)	0.91 to 1.53	0.90 to 4.0
Distribution chlorine residual (mg/L)	0.45 to 1.38	Min 0.05
Percent of time turbidity was below 0.3 NTU	100	Min 95%

**CONTINUOUS WASTE WATER TREATMENT SYSTEM PERFORMANCE SUMMARY**
**DECEMBER 2014**
**WASTEWATER FLOWS AND MONITORING**

Temagami North Lagoon	Result	Compliance (ECA)
<b>AS PER THE ENVIRONMENTAL CERTIFICATE OF APPROVAL</b>		
Average Daily Flow - Influent (m <sup>3</sup> /day)	283	Max 390
Maximum Daily Flow - Influent (m <sup>3</sup> /day)	530	Max 1,200
Total Volume - Influent (m <sup>3</sup> )	8,771	-
Total Volume - Effluent (m <sup>3</sup> )	8,771	-
cBOD <sub>5</sub>	11.3	30 mg/L ( <i>annual average</i> )
Total Suspended Solids	23	30 mg/L ( <i>annual average</i> )
Total Phosphorous	0.295	-
Total Ammonia	0.862	-
pH	8.3	6.0 to 9.5 (inclusive)
<i>Escherichia coli</i> ( <i>E. coli</i> ) (cfu/100mL)	205	-
<b>AS PER WASTEWATER SYSTEM EFFLUENT REGULATIONS (WSER)</b>		
cBOD <sub>5</sub>	11.3	25 mg/L ( <i>quarterly average</i> )
Total Suspended Solids	23	25 mg/L ( <i>quarterly average</i> )
Unionized Ammonia	0.046	1.25 mg/L ( <i>quarterly maximum</i> )

