

**TOWNSHIP OF SOUTH GLENGARRY
REGULAR MEETING OF COUNCIL
Council Chambers, Municipal Office
Monday, March 4, 2019 7:00 PM**

Page

- 1. CALL TO ORDER**
- 2. O CANADA**
- 3. APPROVAL OF AGENDA**
 - a) Additions, Deletions or Amendments
All matters listed under For Information Only, are considered to be routine and will be enacted by one motion. Should a Council member wish an alternative action from the proposed recommendation, the Council member shall request that this matter be moved to the appropriate section at this time.
- 4. DECLARATION OF PECUNIARY INTEREST**
 - a) [Pecuniary Interest Form](#) 4
- 5. APPROVAL OF MINUTES**
 - a) [Special Meeting Minutes - February 15, 2019](#) 5 - 6
 - b) [Previous Meeting Minutes - February 19, 2019](#) 7 - 10
- 6. PRESENTATIONS AND DELEGATIONS**
 - a) [Rogers Tower on Airport Road - Eric Belchamber](#) 11 - 13
- 7. NEW BUSINESS**
 - a) **Staff Reports**
 - i. [POP UP Local Art Showcase & Tourist Information Booth in Lancaster \(S. Baggs\)](#) 14 - 16
 - ii. [Appointment of CBO, By-Law Enforcement & Property Standards Officer \(J. Haley\)](#) 17 - 19

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8.	UNFINISHED BUSINESS	
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9.	CLOSED SESSION	
a)	BE IT RESOLVED THAT Council convene to Closed Session to discuss the following item(s) under Section 239 (2) of The Municipal Act S.O. 2001	
	(2) A meeting or part of a meeting may be closed to the public if the subject matter being considered is,	
	(d) labour relations or employee negotiations;	
	-CBO Position	
10.	CONFIRMING BY-LAW	
a)	<u>Confirming By-law 17-2019</u>	95

11. ADJOURNMENT



DECLARATION OF PECUNIARY INTEREST

I, _____, declare a
pecuniary interest on Agenda Item(s) for the meeting of
_____:

Signature

MINUTES

THE SPECIAL MEETING OF THE COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF SOUTH GLENGARRY WAS HELD IN THE MORNING AT THE TOWNSHIP OFFICE, LANCASTER ON FEBRUARY 15, 2019.

PRESENT: Mayor Frank Prevost, Deputy Mayor Lyle Warden, Councillor Stephanie Jaworski, Councillor Martin Lang, Councillor Sam McDonell

STAFF PRESENT: Clerk Kelli Campeau

OTHERS PRESENT: Eldon Horner

1. CALL TO ORDER
- Resolution No. 59-2019** Moved by Deputy Warden
Seconded by Councillor McDonell
- BE IT RESOLVED THAT the February 15, 2019 Special Meeting of the Township of South Glengarry now be opened at 10:30 am.
- CARRIED

2. APPROVAL OF AGENDA
- Resolution No. 60-2019** Moved by Councillor Jaworski
Seconded by Deputy Warden
- BE IT RESOLVED THAT the Council of the Township of South Glengarry approve the agenda as circulated.
- CARRIED

3. DECLARATION OF PECUNIARY INTEREST - None

4. CLOSED SESSION
- Resolution No. 61-2019** Moved by Councillor McDonell
Seconded by Councillor Jaworski
- BE IT RESOLVED THAT the Council of the Township of South Glengarry convene to Closed Session at 10:32 am to discuss the following item(s) under Section 239 (2) of The Municipal Act S.O. 2001:

(2) A meeting or part of a meeting may be closed to the public if the subject matter being considered is,

(f) advice that is subject to solicitor-client privilege, including communications necessary for that purpose;

-Legal Advice - Litigation

CARRIED

- Resolution No. 62-2019** Moved by Deputy Warden
Seconded by Councillor McDonell
- CLOSED SESSION RESOLUTION
- CARRIED

- Resolution No. 63-2019** Moved by Councillor McDonell
Seconded by Councillor Jaworski

BE IT RESOLVED THAT the Council of the Township of South Glengarry now rise and reconvene at 10:57 am into Open Session without reporting.
CARRIED

Resolution No. 64-2019 Moved by Councillor Jaworski
Seconded by Deputy Warden

BE IT RESOLVED that the Council of the Township of South Glengarry direct solicitor Eldon Horner to carry out all actions as specified in the Closed Session of the Special meeting of Council dated February 15, 2019.
CARRIED

5. ADJOURNMENT

Resolution No. 65-2019 Moved by Councillor McDonell
Seconded by Deputy Warden

BE IT RESOLVED THAT the Council of the Township of South Glengarry adjourn to the call of the chair at 10:58 am.
CARRIED

Mayor

Clerk

MINUTES

THE REGULAR MEETING OF THE COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF SOUTH GLENGARRY WAS HELD IN THE EVENING AT THE TOWNSHIP OFFICE, LANCASTER ON FEBRUARY 19, 2019.

PRESENT: Mayor Frank Prevost, Deputy-Mayor Lyle Warden, Councillor Stephanie Jaworski and Councillor Sam McDonell

REGRETS: Councillor Martin Lang

STAFF PRESENT: Clerk Kelli Campeau, GM Infrastructure Services Ewen MacDonald, GM Corporate Services Lachlan McDonald, Fire Chief Dave Robertson, Director of Water & Wastewater Shawn Killoran and Economic Development & Tourism Coordinator Shauna Baggs

1. CALL TO ORDER

Resolution No. 66-2019

Moved by Councillor McDonell

Seconded by Deputy Warden

BE IT RESOLVED THAT the February 19, 2019 Council Meeting of the Township of South Glengarry now be opened at 7:00 pm.

CARRIED

2. O CANADA

3. APPROVAL OF AGENDA

Resolution No. 67-2019

Moved by Deputy Warden

Seconded by Councillor Jaworski

BE IT RESOLVED THAT the Council of the Township of South Glengarry approve the agenda as circulated.

CARRIED

4. DECLARATION OF PECUNIARY INTEREST

- a) I, Lyle Warden, declare a pecuniary interest on an Agenda item for the meeting of February 19, 2019 – Agenda Item 7.a.iv. (Staff Report 24-2019) as the brokerage I work for wrote up the offer to Purchase.

5. APPROVAL OF MINUTES

- a) Previous Meeting Minutes - February 4, 2019

Resolution No. 68-2019

Moved by Councillor Jaworski

Seconded by Councillor McDonell

BE IT RESOLVED THAT the Minutes of the Regular Meeting of the Council of the Township of South Glengarry held on February 4, 2019 be adopted as circulated.

CARRIED

- b) Special Meeting Minutes - February 4, 2019

Resolution No. 69-2019

Moved by Councillor McDonell

Seconded by Deputy Warden

BE IT RESOLVED THAT the Minutes of the Special Meeting of the

Council of the Township of South Glengarry held on February 4, 2019 be adopted as circulated.

CARRIED

6. PRESENTATIONS AND DELEGATIONS

- a) Rogers Cell Tower - Earle DePass

7. NEW BUSINESS

- a) Staff Reports

- i) Staff-Council Relations Policy

Resolution No. 70-2019

Moved by Deputy Warden

Seconded by Councillor Jaworski

BE IT RESOLVED THAT Staff Report 21-2019 be received and that By-law 07-2019, being a by-law to adopt a Staff-Council Relations Policy be read a third and final time, passed, signed and sealed in open Council this 19th day of February, 2019.

CARRIED

- ii) Retaining 1997 GMC Fire Apparatus

Resolution No. 71-2019

Moved by Councillor Jaworski

Seconded by Councillor McDonell

BE IT RESOLVED THAT Staff Report 22-2019 be received and that the 1997 GMC Fire Pumper Apparatus be retained in the fire fleet as a backup vehicle to be used as a temporary replacement vehicle when needed and at the discretion of the Fire Chief.

CARRIED

- iii) Glen Walter Water Waste Water Servicing Master Plan Study

Resolution No. 72-2019

Moved by Councillor McDonell

Seconded by Deputy Warden

Staff Report 23-2019 be received and that Council direct Administration to advise WSP to submit the Draft Master Servicing Plan as "Final", that EVB Engineering conduct a review of the Report with recommendations to complete the Master Plan to be presented to Council and furthermore that pending this review and the implementation of the recommendations that the Township proceed with a Public Meeting and submit the Master Plan to the Ministry of Environment to fulfill the requirements of the Master Plan Process.

CARRIED

- iv) Sale of Surplus Properties - Lancaster Heights

Resolution No. 73-2019

Moved by Councillor Jaworski

Seconded by Councillor McDonell

BE IT RESOLVED THAT Staff Report 24-2019 be received and that By-law 15-2019, being a by-law to approve the sale of Parts 3 and 4 on 14R-3037, legally described as Part Lot 4, Concession 9, Lancaster Parts 3 and 4, 14R-3037, South Glengarry be read a first, second and third time, passed signed and sealed in open Council this 19th day of February, 2019 and furthermore that the Mayor and Clerk be authorized to sign all related documents.

CARRIED

- v) Water and Sewage Plants Annual Reports

Resolution No. 74-2019

Moved by Deputy Warden

Seconded by Councillor Jaworski

BE IT RESOLVED THAT Staff Report 25-2019 be received and that the Council of the Township of South Glengarry receive the 2018 Annual Reports for the Redwood Estates, Lancaster and Glen Walter Water Treatment Plants and the Lancaster, Green Valley and Glen Walter Sewage Treatment Plants and furthermore, that a Staff Report to approve the reports be prepared for the March 4, 2019 Council Meeting.
CARRIED

- b) Other Business
- i) Township Signage Policy

Resolution No. 75-2019

Moved by Councillor Jaworski

Seconded by Councillor McDonell

BE IT RESOLVED THAT the Council of the Township of South Glengarry accept the items presented on the Agenda as Committee Reports and For Information Only.
CARRIED

- c) Committee Reports
- i) Committee of Adjustment Minutes - February 4, 2019

- d) For Information Only
- i) Business & Community Awards Gala Update
- ii) Local Dining Promotion March Meal Ticket
- iii) 2018 By-law Enforcement Activities
- iv) Notices of Public Meetings - Zoning Amendments
- v) Notice of Decisions - Zoning Amendments
- vi) Support Resolution - Municipal Voters List (Township of South Frontenac)

8. UNFINISHED BUSINESS

9. CLOSED SESSION

Resolution No. 76-2019

Moved by Councillor McDonell

Seconded by Deputy Warden

BE IT RESOLVED THAT the Council of the Township of South Glengarry convene to Closed Session at 8:09 pm to discuss the following item(s) under Section 239 (2) of The Municipal Act S.O. 2001:

- (2) A meeting or part of a meeting may be closed to the public if the subject matter being considered is,
- (d) labour relations or employee negotiations;
 - CBO Position Review
- (e) litigation or potential litigation, including matters before administrative tribunals, affecting the municipality or local board;
 - Litigation Update

CARRIED

Resolution No. 77-2019

Moved by Deputy Warden

Seconded by Councillor Jaworski

BE IT RESOLVED THAT Council now rise and reconvene at 9:02 pm without reporting.
CARRIED

Resolution No. 78-2019

Moved by Deputy Warden
Seconded by Councillor McDonell

BE IT RESOLVED THAT Administration be directed to carry out all actions regarding the position of the Chief Building Official and Director of Development as specified in the Minutes of the Closed Session dated February 19, 2019.
CARRIED

Resolution No. 79-2019

Moved by Councillor McDonell
Seconded by Councillor Jaworski

BE IT RESOLVED THAT Solicitor Eldon Horner be directed to carry out all actions as specified in the Minutes of the Closed Session of the Council Meeting dated February 19, 2019.
CARRIED

10. CONFIRMING BY-LAW
Resolution No. 80-2019

Moved by Councillor Jaworski
Seconded by Councillor McDonell

BE IT RESOLVED THAT By-law 14-2019 to adopt, confirm and ratify matters dealt with by resolution be read a first, second and third time, signed, sealed and passed in Open Council this 19th day of February, 2019.
CARRIED

11. ADJOURNMENT

Resolution No. 81-2019

Moved by Councillor McDonell
Seconded by Deputy Warden

BE IT RESOLVED THAT the Council of the Township of South Glengarry adjourn to the call of the chair at 9:04 pm.
CARRIED

Mayor

Clerk

February 27, 2019

Township of South Glengarry
6 Oak St.
Lancaster, ON, K0C 1N0

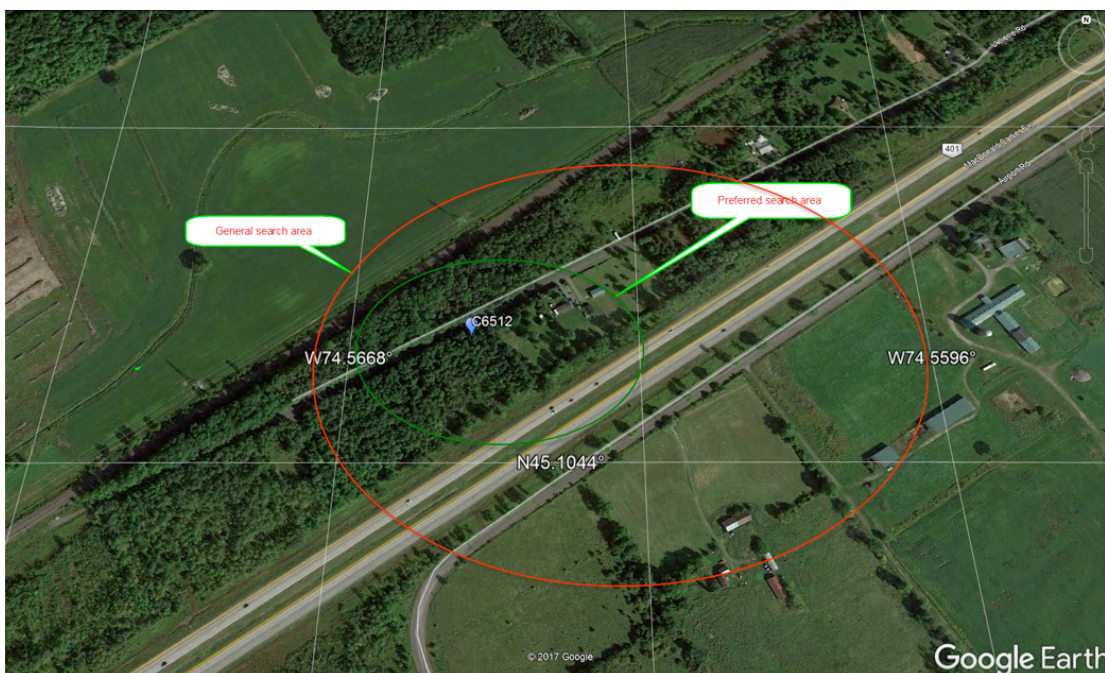
RE: Presentation to Council – Mar. 4, 2019 - Rogers Site C6512 Highway 401 & Fraser Rd.

Dear Members of Council,

Thank you for allowing Rogers to provide important details regarding the proposed 68m cell tower installation on Airport Rd.

I would like to provide insight into the acquisition process that Rogers has followed in this instance from start to finish.

The Radiofrequency (RF) and Planning Departments at Rogers provide search maps for towers where there are coverage gaps. These departments analyze the existing infrastructure and the future tower requirements to ensure seamless coverage that customers expect today. The search area below was provided to me in February 2018 with a request to secure space for a 90m-100m guyed tower:



I reviewed the surrounding land uses and parcel ownership, observed the nearby Cornwall Regional Airport and contacted them to get information about height restrictions and aviation safety in general. Stephen Small provided the contact information for Charles Cormier, an Aviation Consultant that works closely with the Airport.

In correspondence dated March 14, 2018, Mr. Cormier and I discussed the maximum height achievable on the Township-owned property on Airport Road. According to Charles (emphasis added): "I have re-assessed all with a 70m tower. The RNAV RWY 10, and Circling options for both approaches would not be affected. The approach to 28 would just be penetrated, **but if the antenna was 68m high, the minimums would remain as published.**"

Mr. Cormier was instrumental in providing feedback regarding both the proposed location and cell tower height restrictions in place due to the airport and Mr. Small was copied throughout the discussions.

The Township was approached with the offer to host a cell tower in return for long-term financial benefit for its constituents. The Township expressed interest in proceeding.

As a result, Rogers moved forward with the next steps of preparing a survey and lease documents for the Township to sign. The survey was reviewed and approved by the Township. The lease was negotiated and signed between Rogers and the Township in July 2018.

Municipal consultation began in September 2018 and, in keeping with Innovation, Science & Economic Development (ISED) Canada's requirements, the aeronautical assessment documents required by Transport Canada and NAV Canada were submitted for their review. Transport Canada indicated that daytime and nighttime lighting would be required and NAV Canada indicated they had no objections to the facility as proposed. Rogers will comply with the lighting requirements.

Here are the requirements set out in [Section 7.5 of ISED's CPC-2-0-03](#):

"7.5 Aeronautical Safety

Proponents must ensure their proposals for any antenna system are first reviewed by Transport Canada and NAV CANADA.

Transport Canada will perform an assessment of the proposal with respect to the potential hazard to air navigation and will notify proponents of any painting and/or lighting requirements for the antenna system. NAV CANADA will comment on whether the proposal has an impact on the provision of their national air navigation system, facilities and other services located off-airport.

As required, the proponent must:

1. submit an Aeronautical Obstruction Clearance form to Transport Canada;
2. submit a Land-use Proposal Submission form to NAV CANADA;
3. include Transport Canada marking requirements in the public notification package;
4. install and maintain the antenna system in a manner that is not a hazard to aeronautical safety; and
5. retain all correspondence.

For those antenna systems subject to Industry Canada's Default Public Consultation Process, the proponent will inform the community of any marking requirements. Where options are possible, proponents are expected to work with the local community and Transport Canada to implement the best and safest marking options. Proponents should be aware that Transport Canada does not advise Industry Canada of marking requirements for proposed structures. Proponents are reminded that the addition of, or modification to, obstruction markings may result in community concern and so any change is to be done in consultation with the local public, land-use authority and/or Transport Canada, as appropriate.

References and Details

Aeronautical Obstruction Clearance forms are available from any Transport Canada Aviation Group Office. Both the Aeronautical Obstruction Clearance form (#26-0427) and a list of Transport Canada Aviation Group regional offices are available on the Transport Canada website.^{Footnote 17} Completed forms are to be submitted directly to the nearest Transport Canada Aviation Group office. (Refer to Canadian Aviation Regulations, Standard 621.19, Standards Obstruction Markings).

Land-use Proposal Submission forms are available from NAV CANADA^{Footnote 18} and completed forms are to be sent to the appropriate NAV CANADA General Manager Airport Operations (GMAO) office, East or West.”

Upon installation, Rogers will have completed all five steps of the requirements.

There have been suggestions to move the proposed tower. The reality, however, is that the siting of tower locations is dependent on a number of factors. Rogers strives to be sympathetic to the surrounding land-use features and take all reasonable steps required by local land-use authorities to mitigate concerns with respect to planning and environmental matters. It is important to note that the selection of a site for a telecommunication antenna support structure does not occur randomly. Among the factors considered are:

1. expected usage patterns of service and proximity to users
2. local topography and building types
3. interaction with existing and future sites
4. line-of-sight requirements for high quality communications
5. opportunities to use existing structures
6. availability of a willing Landlord
7. the industry's commitment to high service standards and customer satisfaction

The cell network is an intricate puzzle and if the site were to be put too far away, there would be the following issues:

- area(s) of coverage overlap
- area(s) with poor coverage
- the requirement for additional tower(s)

Rogers makes every effort to find a balance between meeting the concerns of citizens and the necessity to install cell towers in vicinities that will serve these areas efficiently, while taking into consideration available locations.

Rogers takes concerns or suggestions expressed by the public and the land-use authority as important elements to our proposal. We hope that the information provided regarding our obligations and siting requirements will help you to better understand our position.

Sincerely,

Eric Belchamber
Wireless Site Specialist
Eric Belchamber & Associates
666 Kirkwood Ave., Suite B100
Ottawa, ON K1Z 5X9
(613) 220-5970
eric.belchamber@rogers.com

On Contract to **Rogers Communications Inc.**



STAFF REPORT

S.R. No. 26-2019

PREPARED BY: Shauna Baggs, Economic Development & Tourism

PREPARED FOR: Council of the Township of South Glengarry

COUNCIL DATE: March 4, 2019

SUBJECT: POP UP Local Art Showcase & Tourist Information Booth in Lancaster

BACKGROUND:

1. As the 2019 budget has not yet been approved, Administration is bringing this Report forward independent of the budget process as there is a tight timeline to implement this project, pending Council's approval.
2. Administration is seeking approval to implement a Pop-Up Art Showcase & Tourist Information Centre in Lancaster from May to September.
3. Administration requires authorization from Council to proceed prior to the approval of the budget in order to secure student staffing, prepare a rental agreement and begin initial set-up.

ANALYSIS:

4. In 2018 and 2019 there have been improvements made along "Main Street" and new businesses have been welcomed along Military Road in Lancaster. These improvements will continue as business owners take advantage of the CIP program and the Township streetscaping initiatives.
5. Following the success of the street banner project with the inclusion of many talented local artists a unique opportunity was recognized.
6. There are a few vacant storefronts remaining along Military Road and a vacant building off the highway in South Lancaster. In order to fill the vacant locations, a "Pop-Up" local art showcase could transform unused space by creating visual awareness, economic opportunities for local artists and encourage local tourism and visitor interest.
7. The showcase would be managed through the Economic Development and Tourism office and administered by two students.



8. Local artists would be invited to showcase their artwork at no charge. The student would be the liaison between the artist and the interested party. No art sales would take place directly at the showcase.
9. Having local art on display will also help to attract tourists, which leads to the perfect opportunity to highlight all the other great activities and attractions taking place across South Glengarry and the region with a tourism information centre.
10. The goal will be to create a South Glengarry showpiece that encourages local creativity, highlights everything good about South Glengarry and welcomes visitors to the community.
11. There are over 700,000 (MTO) vehicles that pass by Lancaster on the 401 each month. Many stop to purchase gas then get back on the highway. Each year the population of South Glengarry inflates with seasonal residents that are unfamiliar with local attractions. By creating an informative, positive, fun cultural space will encourage visitors to stay longer and return to the area.

ALIGNMENT WITH STRATEGIC PLAN:

12. Goal 1: Enhance economic growth and prosperity
13. Goal 4: Improve quality of life in our community

IMPACT ON 2019 BUDGET:

14. The total project cost would be approximately \$21,000. This includes the cost of two student salaries, rental fees for the building and set-up costs.
15. Total impact to the budget for student salaries will be approximately \$16,000; however, it is anticipated that grants will be received to reduce these costs as applications have been filed with the applicable funders.
16. Total impact to Economic Development and Tourism Budget would include rent and set-up costs of approximately \$3,500 -5,000.

RECOMMENDATION:

BE IT RESOLVED THAT Staff Report 26-2019 be received and that the Council of the Township of South Glengarry authorize Administration to proceed with the implementation of the proposed POP UP Local Art Showcase & Tourist Information Booth prior to the approval of the 2019 budget with an upset limit of \$21,000.



A handwritten signature in black ink that reads "Kelli Campeau". The signature is written in a cursive style with a horizontal line extending from the end of the name.

**Recommended to Council for
Consideration by:
KELLI CAMPEAU - CLERK**



STAFF REPORT

S.R. No. 27-2019

PREPARED BY: Joanne Haley, GM Community Services

PREPARED FOR: Council of the Township of South Glengarry

COUNCIL DATE: March 4, 2019

SUBJECT: Appointment of CBO, By-Law Enforcement & Property Standards Officer

BACKGROUND:

1. The Township of South Glengarry has recently appointed Mr. Gary Poupart to temporarily fulfill the role of the Director of Development/Chief Building Official until such time said position is filled permanently.
2. In order for Mr. Poupart to fulfill this role, he is required to be appointed as the Chief Building Official by Council as per Section 3(2) of the Building Code Act, S.O. 1992, C.23, as amended.
3. His duties also include building inspections, property standards and by-law enforcement.

ANALYSIS:

4. The attached by-law appoints Mr. Poupart, as the Chief Building Official as well as all necessary positions within the Building Department (By-law Enforcement Officer and Property Standards Officer) in one concise document.

IMPACT ON 2019 BUDGET:

N/A

ALIGNMENT WITH STRATEGIC PLAN:

Goal 3: Strengthen the effectiveness and efficiency of our organization



RECOMMENDATION:

BE IT RESOLVED THAT Staff Report 27-2019 be received and that By-law 16-2019, being a by-law to appoint a Chief Building Official, Property Standards Officer and By-Law Enforcement Officer be read a first, second and third time, passed, signed and, sealed in Open Council this 4th day of March, 2019.

A handwritten signature in black ink, reading 'Kelli Campeau'. The signature is written in a cursive style and is positioned above a horizontal line.

Recommended to Council for
Consideration by:
KELLI CAMPEAU - CLERK

SG-E-19

**THE CORPORATION OF THE
TOWNSHIP OF SOUTH GLENGARRY
BY-LAW NUMBER 16-2019
FOR THE YEAR 2019**

BEING A BY-LAW TO PROVIDE FOR THE APPOINTMENT OF AN INTERIM CHIEF BUILDING OFFICIAL, BUILDING INSPECTOR, PROPERTY STANDARDS OFFICER AND BY-LAW ENFORCEMENT OFFICER FOR THE CORPORATION OF THE TOWNSHIP OF SOUTH GLENGARRY.

WHEREAS, the *Municipal Act, 2001*, c.25 S 5 (1) provides that the powers of a municipal corporation are to be exercised by its council;

AND WHEREAS the *Municipal Act 2001*, c. 25 S. 5(3) provides that the powers of every council are to be exercised by by-law;

AND WHEREAS Section 3(2) of the *Building Code Act*, S.O. 1992, c.23, as amended, empowers municipal council to appoint a chief building official and such inspectors as are necessary for the enforcement of the *Building Code Act* in the areas in which the municipality has jurisdiction;

AND WHEREAS the Provincial Offences Act R.S.O. 1990, P. 33 as amended empowers municipal council to appoint a by-law enforcement officer for the enforcement of the municipality's by-laws;

AND WHEREAS the Corporation of the Township of South Glengarry wishes to appoint an Interim Chief Building Official, building inspector, property standards officer and a by-law enforcement officer.

NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF SOUTH GLENGARRY ENACTS AS FOLLOWS:

1. **THAT** Gary Poupart be appointed as the Interim Chief Building Official and a building inspector for the purpose of administering and enforcing the *Building Code Act*, S.O. 1992, c.23, as amended.
2. **THAT** Gary Poupart further be appointed as a property standards officer and by-law enforcement officer.
3. **THAT** By-law 18-14 is hereby repealed.

READ A FIRST, SECOND AND THIRD TIME, PASSED, SIGNED AND SEALED IN OPEN COUNCIL THIS 4TH DAY OF MARCH, 2019.

MAYOR: **CLERK:**



STAFF REPORT

S.R. No. 28-2019

PREPARED BY: Ewen MacDonald, GM Infrastructure Services
Shawn Killoran, Director Water/Waste Water Operations

PREPARED FOR: Council of the Township of South Glengarry

COUNCIL DATE: March 4, 2019

SUBJECT: Approval of Water & Waste Water Annual Reports

BACKGROUND:

1. Under the Safe Drinking Water Act, 2002, Ontario Regulation 170/03, the Ministry of the Environment requires that a written report for our Water Plants and Sewage Plants be completed annually.
2. The six (6) reports showing compliance/non-compliance for the Glen Walter, Lancaster and Redwood Estates Water Treatment Plants for 2018 and the Glen Walter, Lancaster and Green Valley Sewage Treatment Plants for 2018 were received for review by Council at the February 19, 2019 Regular Council Meeting.

ANALYSIS:

3. The reports will be submitted to the Ministry of Environment, Conservation & Parks and posted on our website as per the requirements of the Regulation

ALIGNMENT WITH STRATEGIC PLAN:

4. Values: Accountability & Trust

IMPACT ON 2019 BUDGET:

N/A

RECOMMENDATION:

BE IT RESOLVED THAT Staff Report 28-2019 be received and that the Council of the Township of South Glengarry acknowledges receipt of the 2018 Annual Reports for



Redwood Estates, Lancaster and Glen Walter Water Treatment Plants and the Lancaster, Green Valley and Glen Walter Sewage Treatment plants.

A handwritten signature in black ink, reading 'Kelli Campeau'. The signature is written in a cursive style and is positioned above a horizontal line.

**Recommended to Council for
Consideration by:
KELLI CAMPEAU - CLERK**



**REDWOOD WATER TREATMENT
Annual Report 2018**

(as per O. Reg. 170/03 – Section 11)

and

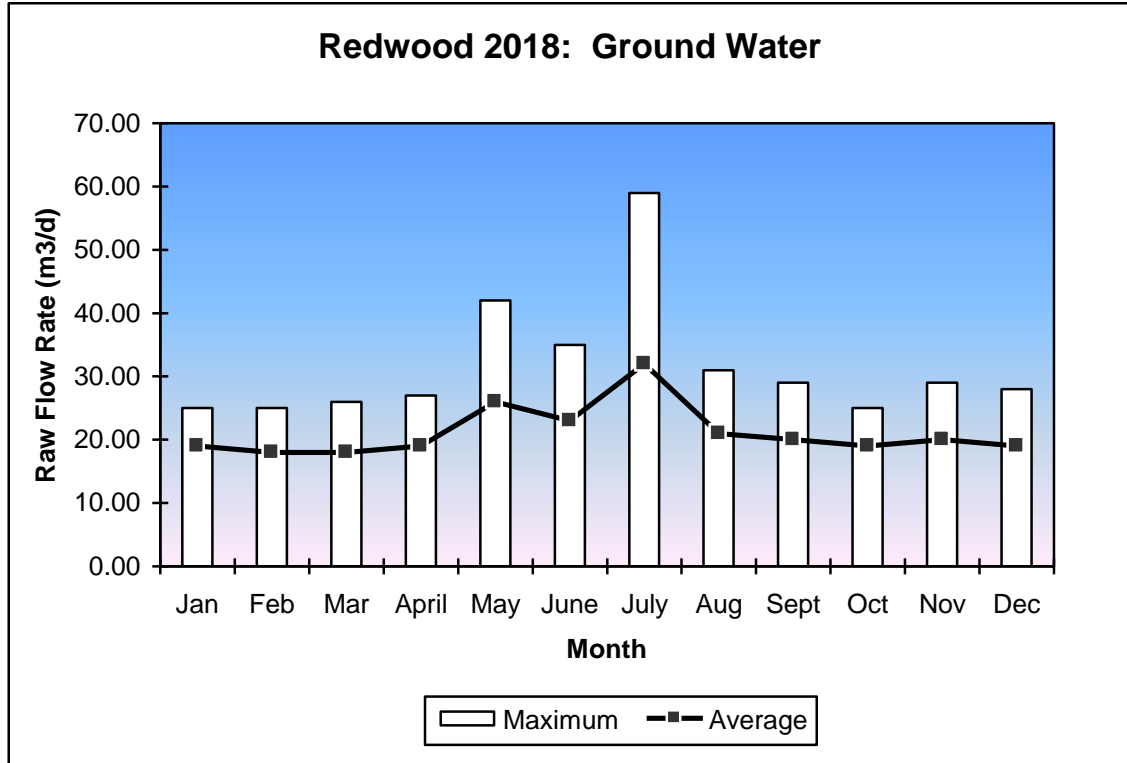
2018 Summary Report for Municipalities

(as per O. Reg. 170/03 – Schedule 22)

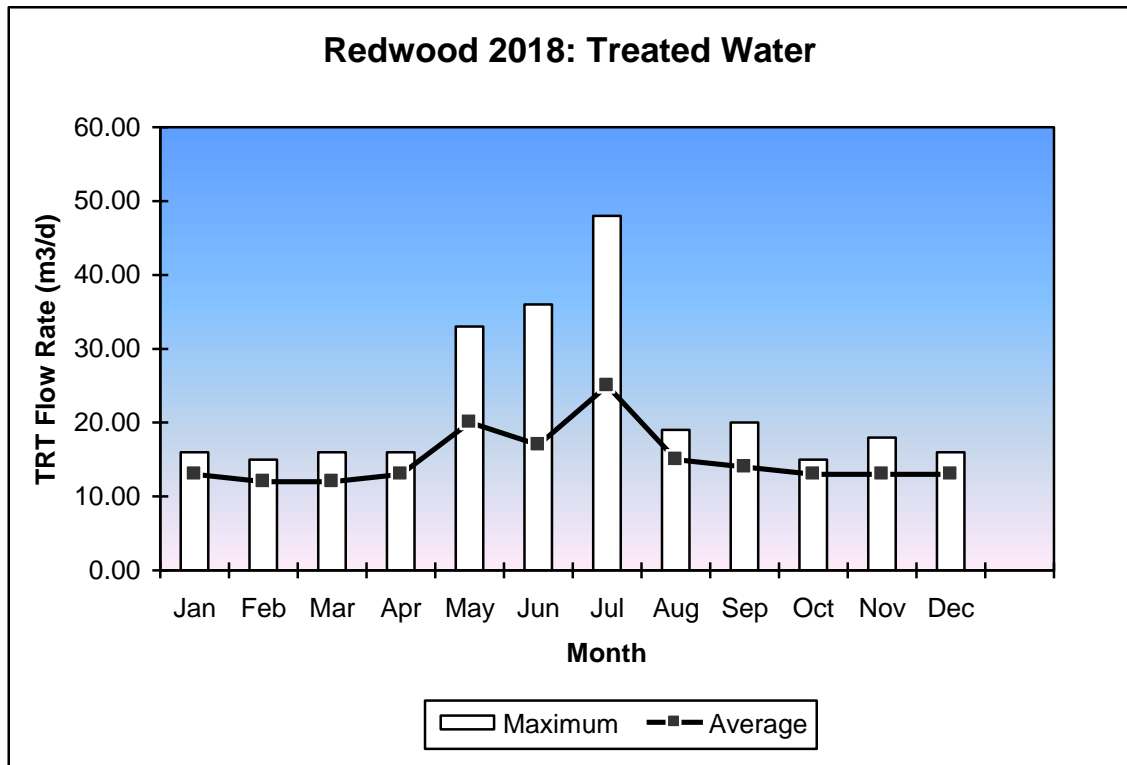
**Prepared by Shawn Killoran
Director of Water/Wastewater Operations**

Date Prepared/Submitted: February 12, 2019

Comparison of Daily Average and Maximum Raw Daily Flows for 2018



Comparison of
Daily Average and Maximum Treated Daily Flows for 2018



**The Corporation of the Township of South Glengarry
Redwood Estates Water Treatment Plant
2018 Annual Performance Report**

OVERVIEW

The Township Of South Glengarry, Redwood Estates Water Treatment Facility is located approximately 5 kilometers east of the Village of Lancaster. The water treatment plant is a ground water system serving the Redwood Estates subdivision. The water treatment plant has a rated capacity of 151 cubic meters per day for a design population of 140 people.

The Township Of South Glengarry utilizes the following accredited laboratories to ensure safe and potable water to meet or exceed Ministry standards. Caduceon Laboratory Ottawa.

The Township Of South Glengarry operators are all certified under the Ministry of the Environment regulation 128/04 for utility operators Licensing Program.

The Township Of South Glengarry, Redwood water system uses Sodium Hypochlorite for disinfection.

EQUIPMENT

Raw water is drawn from a single well located within the pump house with a submersible pump capable of delivering 118 liters per minute. The water treatment plant consist of two Manganese greensand pressure filters, two hydro pneumatic tanks, two high lift pumps, one booster and one backwash pump. All pumps have a rated capacity of 303 liters per minute together with all associated piping, electrical equipment, controls and alarm systems all housed in a common building.

PROCESS

Raw water is drawn from the single well where Sodium Hypochlorite is introduced and flash mixed for disinfection. Following the disinfection period water then flows through the Greensand filters removing all other impurities. Water then flows to a 25 cubic meter underground storage reservoir to be pumped to the distribution system.

UPGRADES

N/A

REPORTING

A written report is prepared annually. This report is available for view at the Township Of South Glengarry Municipal office at 6 Oak Street, Lancaster or the Township Of South Glengarry Water/Wastewater Department located at 18352 County Road 2, Glen Walter. A copy of the report is also available on the Townships web site. A copy of the report is also available free of charge to any resident requesting a copy. For more information contact the Township Of South Glengarry Water/Wastewater Department at 613-931-3036 or fax 613-931-3340.

Ontario Drinking Water License# 185-103

The Township of South Glengarry Water Treatment Department operated the Redwood Estates Water Treatment Plant for the year 2018 and met all terms of the Ontario Drinking Water System Regulation 170/03. The Township of South Glengarry commitment policy is to: Provide a safe and reliable supply of drinking water to all of its customers, meet or exceed the requirements of all legislation and regulations applicable to drinking water and maintain and continually improve its quality management system.

A total of 7,944 cubic meters of water had been treated for the year 2018 with a monthly average of 21m³ per day and a maximum flow of 59m³ /day for the year. Maximum flow is equivalent to 39% of the plant capacity.

The Redwood Estates Water Treatment Plant uses Sodium Hypochlorite for disinfection. A total of 57.24 kg of chlorine had been utilized for the year at an average of 7.20mg/liter.

Attached is the data spread sheet, which identifies flows, laboratory results, number of samples taken and chemical use on a monthly basis.

Municipality: Township of South Glengarry
Project: Redwood Estates W.T.P
DWS # 250002311

Annau Report Data
2018

Water Source: Ground Water (GUDI)
Design Capacity: 0.151 x 1000 m3/D

Description: Greensand Pressure Filtration - Sodium Hypochlorite Disinfection

	Raw Water Flow			Treated Water Flow			Chemical	Treated Water								Distribution Water				Backwash Water Flow						
	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Cl2 Total Kg Used	Free Cl2 Residual mg/L Min. Max. Avg.			Average Turbidity NTU	Average Colour TCU	Sodium mg/L	Nitrate NO3 mg/L	Nitrite NO2 mg/L	Iron mg/L NO2 mg/L	Free Cl2 Residual mg/L Min. Max. Avg.			THM ug/L	Lead ug/L	CBOD5 mg/L	TSS mg/L	Iron mg/L NO2 mg/L	Mn mg/L	
January	0.601	0.019	0.025	0.404	0.013	0.016	3.77	1.31	2.46	1.66	0.13	0		0.1	0.1	0.005	1.29	1.76	1.60	12		3	14	2.660	1.130	
February	0.528	0.018	0.025	0.349	0.012	0.015	3.32	0.54	4.06	1.36	0.13	0					1.04	1.63	1.22							
March	0.585	0.018	0.026	0.402	0.012	0.016	3.94	1.05	1.97	1.50	0.14	0					0.83	1.65	1.41							
April	0.595	0.019	0.027	0.401	0.013	0.016	3.96	1.15	2.43	1.53	0.19	0		0.1	0.1	0.015	0.92	1.56	1.38	19		3	6	0.832	0.155	
May	0.818	0.026	0.042	0.628	0.020	0.033	5.74	0.70	2.03	1.40	0.29	0					0.81	1.63	1.30							
June	0.705	0.023	0.035	0.520	0.017	0.036	5.04	0.32	5.04	1.39	0.14	0					0.47	1.48	1.24							
July	1.000	0.032	0.059	0.804	0.025	0.048	7.92	0.39	0.32	1.80	0.17	0		0.1	0.1	0.040	0.15	2.24	1.41	76		3	3	0.177	0.043	
August	0.672	0.021	0.031	0.481	0.015	0.019	4.83	0.54	2.38	1.42	0.18	0					0.80	1.97	1.32							
September	0.619	0.020	0.029	0.430	0.014	0.020	4.69	1.05	1.87	1.33	0.16	0					0.95	1.80	1.31							
October	0.604	0.019	0.025	0.411	0.013	0.015	4.59	0.40	4.36	1.49	0.12	0		0.1	0.1	0.024	1.22	1.64	1.39	55		3	11	3.270	0.452	
November	0.606	0.020	0.029	0.419	0.013	0.018	5.10	0.96	2.84	2.04	0.18	0					1.61	2.26	1.92							
December	0.611	0.019	0.028	0.424	0.013	0.016	4.34	1.05	2.13	1.63	0.24	0					1.22	1.84	1.55							
Total	7.944			5.403			57.24																			
Average	0.662	0.021	0.032	0.450	0.015	0.022	4.770	0.79	2.6575	1.55	0.17	0	#DIV/0!	0.1	0.1	0.021	0.94	1.79	1.42	40.500		3	8.5	1.73475	0.445	
Criteria			0.151					0.2				5	20	10	1		0.05			100	10					
Maximum			0.059					0.32				0		0.1	0.1		0.15			40.5						
Compliance			Yes					Yes				Yes		Yes	Yes		Yes			Yes						

	Total # of Raw Samples	Raw Water Escherichia Coliform (cfu/100mL)			Raw Water Total Coliform (cfu/100mL)			Total # of Treated Samples	Treated Water Escherichia Coliform (cfu/100mL)		Treated Water Total Coliform (cfu/100mL)		Treated Water Heterotrophic Plate Count (cfu/100mL)		Total # of Dist. Samples	Distribution Water Escherichia Coliform (cfu/100mL)		Distribution Water Total Coliform (cfu/100mL)		Distribution Water Heterotrophic Plate Count (cfu/100mL)	
		Minimum	Maximum	Average	Minimum	Maximum	Average		Safe	Unsafe	Safe	Unsafe	Safe	Unsafe		Safe	Unsafe	Safe	Unsafe	Safe	Unsafe
January	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	5	0	5	0
February	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
March	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
April	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	5	0	5	0
May	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
June	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
July	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	5	0	5	0
August	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
September	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
October	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	5	0	5	0
November	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
December	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4	0	4	0
Total	12							0							52						

REDWOOD WATER TREATMENT PLANT						
INORGANIC PARAMETERS						
PARAMETER	SAMPLE DATE	RESULT VALUE	MAC	UNIT OF MEASURE	EXCEEDANCE	%
<i>Antimony</i>	Jan-8-18	0.0001	0.006	mg/L	No	2
<i>Arsenic</i>	Jan-8-18	0.0008	0.025	mg/L	No	3
<i>Barium</i>	Jan-8-18	0.175	1	mg/L	No	18
<i>Boron</i>	Jan-8-18	0.19	5	mg/L	No	4
<i>Cadmium</i>	Jan-8-18	0.00002	0.005	mg/L	No	0
<i>Chromium</i>	Jan-8-18	0.002	0.05	mg/L	No	4
<i>Lead</i>	Year 2014	0.945	10	ug/L	No	9
<i>Mercury</i>	Jan-8-18	0.00002	0.001	mg/L	No	2
<i>Selenium</i>	Jan-8-18	0.001	0.01	mg/L	No	10
<i>Sodium</i>	Jan-26-16	95.1	200	mg/L	No	48
<i>Uranium</i>	Jan-8-18	0.00006	0.02	mg/L	No	0
<i>Fluoride</i>	Jan-26-16	0.2	1.5	mg/L	No	13
<i>Nitrite</i>	Year 2018	0.1	1	mg/L	No	10
<i>Nitrate</i>	Year 2018	0.1	10	mg/L	No	1
Eastern Ontario Health Unit MAC						
Sodium	Jan-26-16	95.1	20	mg/L	Yes	476

REDWOOD WATER TREATMENT PLANT								
ORGANIC PARAMETERS								
PARAMETER	SAMPLE DATE	RESULT VALUE	MAC	UNIT OF MEASURE	EXCEEDANCE	%		MAC mg/L
Benzene	Jan-8-18	0.5	5	µg/L	No	10		0.005
Carbon Tetrachloride	Jan-8-18	0.2	5	µg/L	No	4		0.005
Dichlorobenzene, 1,2-	Jan-8-18	0.1	200	µg/L	No	0		0.2
Dichlorobenzene, 1,4-	Jan-8-18	0.2	5	µg/L	No	4		0.005
Dichloroethane, 1,2-	Jan-8-18	0.1	5	µg/L	No	2		0.005
Dichloroethene, 1,1-	Jan-8-18	0.1	14	µg/L	No	1		0.014
Dichloromethane (Methylene Chloride)	Jan-8-18	0.3	5	µg/L	No	6		0.005
Monochlorobenzene (Chlorobenzene)	Jan-8-18	0.02	80	µg/L	No	0		0.08
Tetrachloroethylene	Jan-8-18	0.2	30	µg/L	No	1		0.03
Trichloroethylene	Jan-8-18	0.1	5	µg/L	No	2		0.005
Vinyl Chloride	Jan-8-18	0.2	2	µg/L	No	10		0.002
Alachlor	Jan-8-18	0.3	5	µg/L	No	6		0.005
Atrazine + Metabolites	Jan-8-18	0.5	5	µg/L	No	10		0.005
Azinphos-methyl	Jan-8-18	1	20	µg/L	No	5		0.02
Benzo (a) pyrene	Jan-8-18	0.005	0.01	µg/L	No	50		0.00001
Bromoxynil	Jan-8-18	0.3	5	µg/L	No	6		0.005
Carbaryl	Jan-8-18	3	90	µg/L	No	3		0.09
Carbofuran	Jan-8-18	1	90	µg/L	No	1		0.09
Chlorpyrifos	Jan-8-18	0.5	90	µg/L	No	1		0.09
Diazinon	Jan-8-18	1	20	µg/L	No	5		0.02
Dicamba	Jan-8-18	5	120	µg/L	No	4		0.12
Dichlorophenol,2,4-	Jan-8-18	0.1	900	µg/L	No	0		0.9
Dichlorophenoxy acetic acid,2,4- (2,4-D)	Jan-8-18	5	100	µg/L	No	5		0.1
Diclofop-methyl	Jan-8-18	0.5	9	µg/L	No	6		0.009
Dimethoate	Jan-8-18	1	20	µg/L	No	5		0.02
Diquat	Jan-8-18	5	70	µg/L	No	7		0.07
Diuron	Jan-8-18	5	150	µg/L	No	3		0.15
Glyphosate	Jan-8-18	25	280	µg/L	No	9		0.28
Malathion	Jan-8-18	5	190	µg/L	No	3		0.19
Metolachlor	Jan-8-18	3	50	µg/L	No	6		0.05
Metribuzin	Jan-8-18	3	80	µg/L	No	4		0.08
Paraquat	Jan-8-18	1	10	µg/L	No	10		0.01
Pentachlorophenol	Jan-8-18	0.1	60	µg/L	No	0		0.06
Phorate	Jan-8-18	0.3	2	µg/L	No	15		0.002
Picloram	Jan-8-18	5	190	µg/L	No	3		0.19
Poly-Chlorinated Biphenyls (PCBs)	Jan-8-18	0.05	3	µg/L	No	2		0.003
Prometryne	Jan-8-18	0.1	1	µg/L	No	10		0.001
Simazine	Jan-8-18	0.5	10	µg/L	No	5		0.01
Terbufos	Jan-8-18	0.3	1	µg/L	No	30		0.001
Tetrachlorophenol,2,3,4,6-	Jan-8-18	0.1	100	µg/L	No	0		0.1
Triallate	Jan-8-18	10	230	µg/L	No	4		0.23
Trichlorophenol, 2,4,6-	Jan-8-18	0.1	5	µg/L	No	2		0.005
Trifluralin	Jan-8-18	0.5	45	µg/L	No	1		0.045
THM (NOTE:Show Latest Annual Average)	Year 2018		100	ug/L	No	0		0.1
MCPA	Year 2018		100	ug/L	No	0		0.1
HAA	Year 2018		80	ug/L	No	0		0.08



**LANCASTER WATER TREATMENT
Annual Report 2018**

(as per O. Reg. 170/03 – Section 11)

and

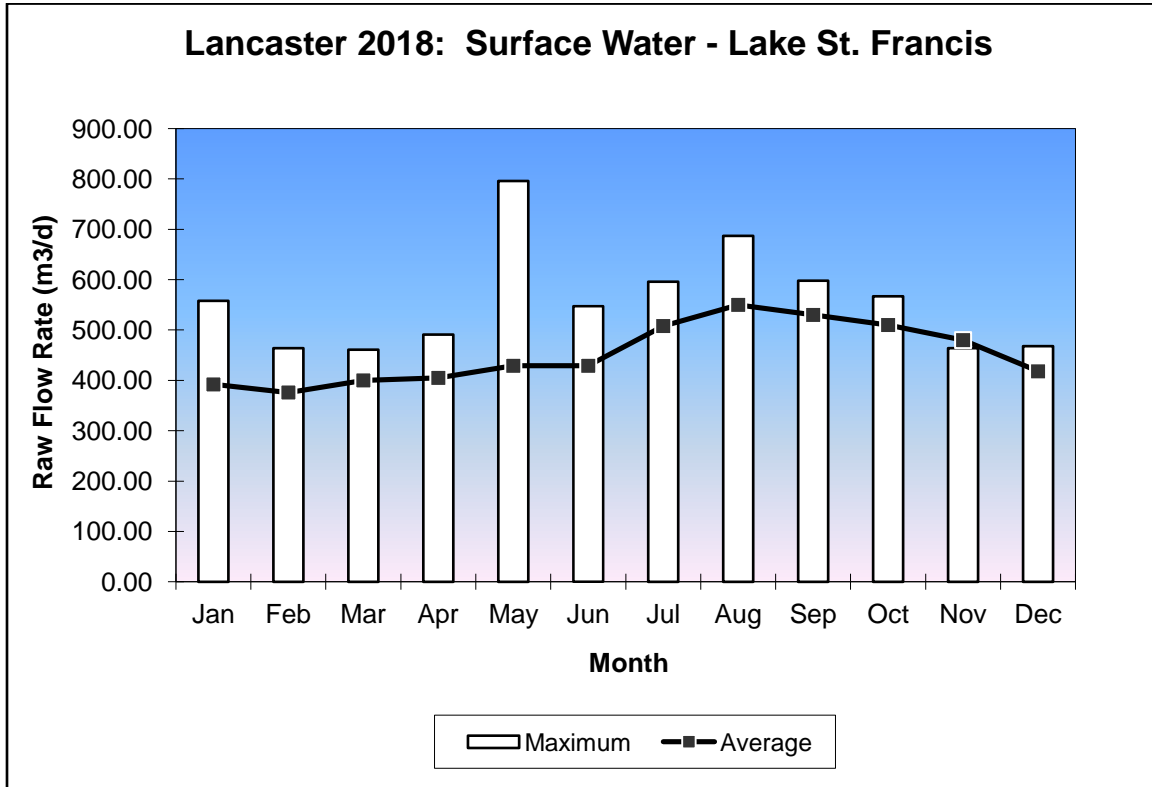
2018 Summary Report for Municipalities

(as per O. Reg. 170/03 – Schedule 22)

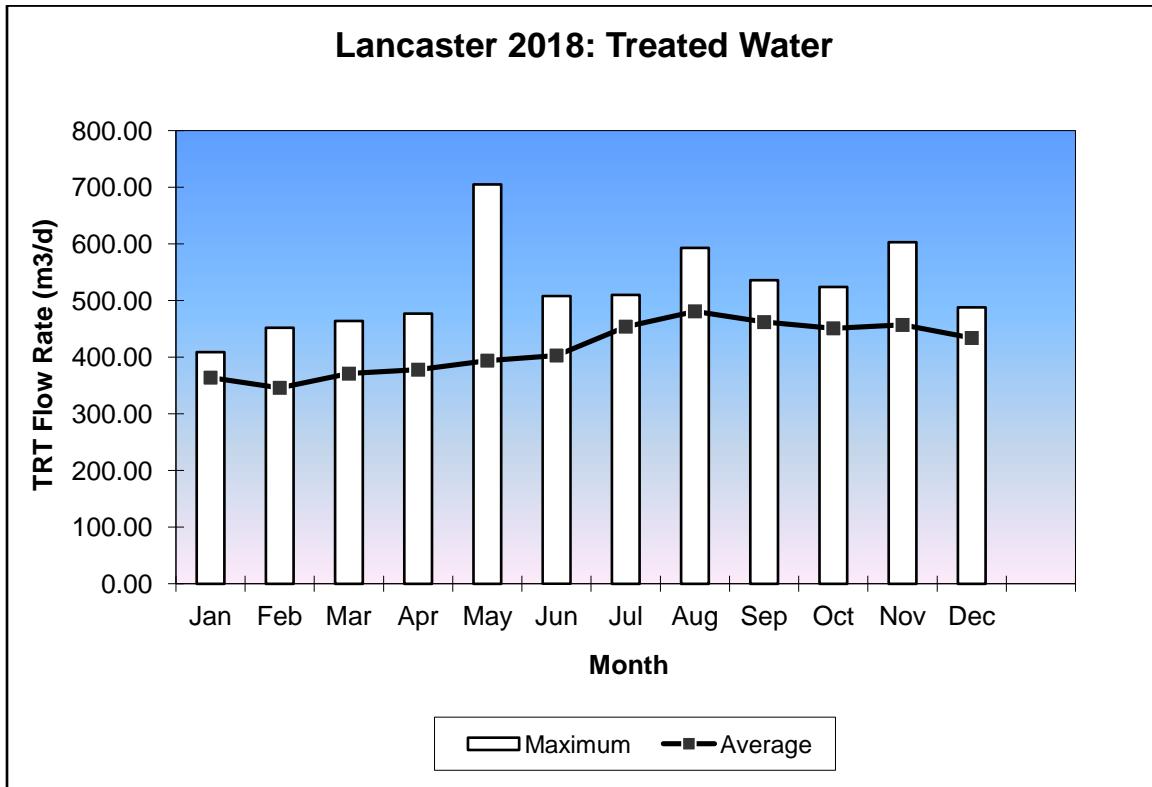
**Prepared by Shawn Killoran
Director of Water/Wastewater Operations**

Date Prepared/Submitted: February 12, 2019

Comparison of Daily Average and Maximum Raw Daily Flows for 2018



Comparison of
Daily Average and Maximum Treated Daily Flows for 2018



The Corporation of the Township of South Glengarry Lancaster Water Treatment Plant 2018 Annual Performance Report

OVERVIEW

The Township Of South Glengarry, Lancaster Water Treatment Plant is located at 20523 Old Montreal Road in South Lancaster. The water treatment plant is a surface water treatment facility serving the village of Lancaster and the Hamlet of South Lancaster. The water plant has a rated capacity of 1,440 cubic meters of water per day for a design population of 1,218 people.

The Township Of South Glengarry utilizes the following accredited laboratory to ensure safe and potable water to meet or exceed Ministry standards. Caduceon Laboratory Ottawa.

The Township Of South Glengarry operators are all certified under the Ministry of the Environment regulation 128/04 for utility Operator Licensing Program.

The Township Of South Glengarry water system uses Sodium Hypochlorite for disinfection and Aluminum Sulphate for a coagulant.

EQUIPMENT

Raw water is consumed through a 450 millimeter intake pipe and wooden intake crib off the shore of Lake St. Francis at a depth of approximately 12 meters. The plant consist of three low lift pumps rated at 8.33 liters per second one dual media anthracite sand gravity filter, one gravity granular activated carbon filter, three high lift pumps two rated at 15.9 liters per second and the third at 6.3 liters per second and two backwash pumps together with all associated piping, electrical equipment, controls and alarm systems all housed in a common building.

PROCESS

Raw water is pumped from the low lift chamber, which is pre chlorinated. A liquid coagulant is introduced into an in line flash mixer, and then flows to two set of coagulant/flocculators; clarifiers and filters each rated at 720 cubic meters per day. The filtered water is then post chlorinated before it enters the twin celled reservoir. The treated (potable) water is then pumped to the distribution system and also feeds an elevated storage tank located on North Beech Street.

UPGRADES

No new upgrades

REPORTING

A written report is prepared annually. This report is available for view at the Township Of South Glengarry Municipal office located at 6 Oak Street, Lancaster or the Township of South Glengarry Water Department located at 18352 County Road 2 in Glen Walter. A copy of the report is also available on the Townships web site. A copy of the report is also available free of charge to any resident requesting a copy. For more information, contact the Township Of South Glengarry Water/Wastewater Department at 613-931-3036 or fax 613-931-3340.

Ontario Drinking Water License #185-101

The Township of South Glengarry Water Treatment Department operated the Lancaster Water Treatment Plant for the year of 2018 and met all terms of the Ontario Drinking Water System Regulation 170/03, under the Safe Drinking Water Act. The Township of South Glengarry commitment policy is to: Provide a safe and reliable supply of drinking water to all its customers, meet or exceed the requirements of all legislation and regulations applicable to the drinking water and maintain and continually improve its quality management system.

A total of 163,291m³ of raw water had been treated for the year 2018 with a monthly average of 452m³ per day and a maximum flow of 796m³ /day for the year. Maximum flow is equivalent to 55% of plant capacity.

The Lancaster Water Treatment Plant uses sodium hypochlorite for disinfection. A total of 662kg of sodium hypochlorite has been utilized for the year at an average dosage rate of 4.06mg/litre.

The Lancaster Water Treatment Plant also uses aluminum sulphate as a coagulant in the treatment process. A total of 3.08m³ of aluminum sulphate had been used.

Attached is the data spread sheet, which identifies flows, laboratory results, number of samples collected and chemical use on a monthly basis.

Municipality: Township of South Glengarry Project: Lancaster W.T.P DWS # 260006867	Annau Report Data 2018	Water Source: Lake St. Francis Design Capacity: 1.440 x 1000 m3/D
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Description: Conventional Treatment - Chemically Assisted Filtration (Alum) - Sodium Hypochlorite Disinfection

	Raw Water Flow			Treated Water Flow			Chemical Usage		Treated Water								Distribution Water								
	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Cl2 Total Kg Used	Alum Total m3 Used	Free Cl2 Residual mg/L Min. Max. Avg.			Average Turbidity NTU	Average Colour TCU	Average Aluminum mg/L	Nitrate NO3 mg/L	Nitrite NO2 mg/L	Free Cl2 Residual mg/L Min. Max. Avg.			THM ug/L	Lead µg/L	Lead µg/L			
January	12.172	0.392	0.558	11.285	0.364	0.409	39.76	0.228	1.52	1.99	1.74	0.03	0	0.041	0.2	0.1	1.26	1.45	1.34	36.5					
February	10.548	0.376	0.464	9.715	0.346	0.452	30.16	0.194	0.80	3.00	1.48	0.04	0	0.046			0.88	1.32	1.06						
March	12.419	0.400	0.461	11.514	0.371	0.464	41.19	0.226	0.88	1.92	1.38	0.06	0	0.030			0.74	1.52	1.13						
April	12.174	0.405	0.491	11.342	0.378	0.477	43.85	0.227	1.32	1.84	1.48	0.07	0	0.043	0.3	0.1	1.02	1.38	1.21	42.6					
May	13.299	0.429	0.796	12.221	0.394	0.705	48.44	0.249	0.92	1.53	1.30	0.06	0	0.039			0.76	1.17	1.02						
June	12.887	0.429	0.547	12.097	0.403	0.508	62.79	0.223	0.80	3.00	1.27	0.06	0	0.090			0.83	1.26	1.07						
July	15.771	0.508	0.596	14.098	0.454	0.510	78.17	0.297	1.05	1.56	1.32	0.04	0	0.090	0.2	0.1	0.92	1.26	1.10	99.2					
August	17.056	0.550	0.687	14.928	0.481	0.593	84.59	0.323	0.44	2.03	1.53	0.09	0	0.110			0.86	1.67	1.24						
September	15.911	0.530	0.598	13.865	0.462	0.536	77.42	0.300	1.02	1.78	1.45	0.05	0	0.110			0.94	1.54	1.24						
October	15.834	0.510	0.567	13.992	0.451	0.524	69.30	0.308	0.77	1.60	1.42	0.05	0	0.100	0.1	0.1	0.70	1.36	1.19	65					
November	12.252	0.480	0.464	13.739	0.457	0.603	44.66	0.249	1.04	1.62	1.37	0.05	0	0.080			0.98	1.36	1.26						
December	12.968	0.418	0.468	13.466	0.434	0.488	42.00	0.256	0.80	1.63	1.38	0.06	0	0.053			1.04	1.37	1.27						
Total	163.291			152.262			662.33	3.08																	
Average	13.607583	0.452	0.558	12.689	0.416	0.522	55.19	0.257	0.95	1.96	1.43	0.06		0	0.069	0.2	0.1	0.91	1.39	1.18	60.8	#DIV/0!	#DIV/0!		
Criteria			1.440						0.2					5	0.1	10	1	0.05			100	10	10		
Maximum			0.796						0.77					0	0.069	0.3	0.1	0.7			60.8				
Compliance	Yes						Yes					Yes			Yes	Yes	Yes	Yes	Yes				Yes		

	Total # of Raw Samples	Raw Water Escherichia Coliform (cfu/100mL)			Raw Water Total Coliform (cfu/100mL)			Total # of Treated Samples	Treated Water Escherichia Coliform (cfu/100mL)			Treated Water Total Coliform (cfu/100mL)		Treated Water Heterotrophic Plate Count (cfu/100mL)		Total # of Dist. Samples	Distribution Water Escherichia Coliform (cfu/100mL)		Distribution Water Total Coliform (cfu/100mL)		Distribution Water Heterotrophic Plate Count (cfu/100mL)	
		Minimum	Maximun	Average	Minimum	Maximun	Average		Safe	Unsafe		Safe	Unsafe	Safe	Unsafe		Safe	Unsafe	Safe	Unsafe	Safe	Unsafe
January	5	0	3	0.80	2	16	6.40	5	5	0	0	5	0	5	0	15	15	0	15	0	15	0
February	4	0	2	0.50	2	24	7.50	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
March	4	0	1	0.25	2	2	2.00	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
April	5	0	1	0.40	2	8	3.20	5	5	0	0	5	0	5	0	15	15	0	15	0	15	0
May	4	0	2	0.50	2	10	4.00	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
June	4	0	1	0.25	2	82	22.00	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
July	5	0	0	0.00	2	2	2.00	5	5	0	0	5	0	5	0	15	15	0	15	0	15	0
August	4	0	0	0.00	0	2	1.50	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
September	4	0	3	0.75	2	12	4.50	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
October	5	0	6	2.40	6	28	13.60	5	5	0	0	5	0	5	0	15	15	0	15	0	15	0
November	4	0	3	1.50	2	12	8.00	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
December	4	0	4	1.25	4	18	11.00	4	4	0	0	4	0	4	0	12	12	0	12	0	12	0
Total	52							52								156						

LANCASTER WATER TREATMENT PLANT

INORGANIC PARAMETERS						
PARAMETER	SAMPLE DATE	RESULT VALUE	MAC	UNIT OF MEASURE	EXCEEDANCE	%
ANTIMONY	Jan-8-18	0.0001	0.006	mg/L	No	2
ARSENIC	Jan-8-18	0.0004	0.025	mg/L	No	2
BARIUM	Jan-8-18	0.018	1	mg/L	No	2
BORON	Jan-8-18	0.023	5	mg/L	No	0
CADMIUM	Jan-8-18	0.00002	0.005	mg/L	No	0
CHROMIUM	Jan-8-18	0.002	0.05	mg/L	No	4
LEAD	Year 2017	0.04	10	ug/L	No	0
MERCURY	Jan-8-18	0.00002	0.001	mg/L	No	2
SELENIUM	Jan-8-18	0.001	0.01	mg/L	No	10
SODIUM	Aug-8-17	17.8	200	mg/L	No	9
URANIUM	Jan-8-18	0.00019	0.02	mg/L	No	1
FLUORIDE	Aug-8-17	0.1	1.5	mg/L	No	7
NITRITE	Year 2018		1	mg/L	No	0
NITRATE	Year 2018		10	mg/L	No	0
Eastern Ontario Health Unit MAC						
Sodium	Aug-8-17	17.8	20	mg/L	No	89

LANCASTER WATER TREATMENT PLANT							
ORGANIC PARAMETERS							
PARAMETER	SAMPLE DATE	RESULT VALUE	MAC	UNIT OF MEASURE	EXCEEDANCE	%	MAC mg/L
ALACHLOR	Jan-8-18	0.3	5	ug/L	No	6	0.005
ATRAZINE + N-DEALKYLATED METOBOLITES	Jan-8-18	0.5	5	ug/L	No	10	0.005
AZINPHOS-METHYL	Jan-8-18	1	20	ug/L	No	5	0.02
BENZO(A)PYRENE	Jan-8-18	0.005	0.01	ug/L	No	50	0.00001
BENZENE	Jan-8-18	0.5	5	ug/L	No	10	0.005
BROMOXYNIL	Jan-8-18	0.3	5	ug/L	No	6	0.005
CARBON TETRACHLORIDE	Jan-8-18	0.2	5	ug/L	No	4	0.005
CARBARYL	Jan-8-18	3	90	ug/L	No	3	0.09
CARBOFURAN	Jan-8-18	1	90	ug/L	No	1	0.09
CHLORPYRIFOS	Jan-8-18	0.5	90	ug/L	No	1	0.09
1,2-DICHLOROBENZENE	Jan-8-18	0.1	200	ug/L	No	0	0.2
1,4-DICHLOROBENZENE	Jan-8-18	0.2	5	ug/L	No	4	0.005
1,2-DICHLOROETHANE	Jan-8-18	0.1	5	ug/L	No	2	0.005
1,1-DICHOETHENE	Jan-8-18	0.1	1.4	ug/L	No	7	0.0014
DICHLOROMETHANE	Jan-8-18	0.3	50	ug/L	No	1	0.05
DIAZINON	Jan-8-18	1	20	ug/L	No	5	0.02
DICAMBA	Jan-8-18	5	120	ug/L	No	4	0.12
2-4 DICHLOROPHENOL	Jan-8-18	0.1	900	ug/L	No	0	0.9
2,4-DICHLOROPHENOXY ACETIC ACID(2,4-D)	Jan-8-18	5	100	ug/L	No	5	0.1
DICLOFOP-METHYL	Jan-8-18	0.5	9	ug/L	No	6	0.009
DIMETHOATE	Jan-8-18	1	20	ug/L	No	5	0.02
DIQUAT	Jan-8-18	5	70	ug/L	No	7	0.07
DIURON	Jan-8-18	5	150	ug/L	No	3	0.15
GLYPHOSATE	Jan-8-18	25	280	ug/L	No	9	0.28
MONOCHLOROETHYLENE	Jan-8-18	0.2	80	ug/L	No	0	0.08
MALATHION	Jan-8-18	5	190	ug/L	No	3	0.19
METOLACHLOR	Jan-8-18	3	50	ug/L	No	6	0.05
METRIBUZIN	Jan-8-18	3	80	ug/L	No	4	0.08
PARAQUAT	Jan-8-18	1	10	ug/L	No	10	0.01
PENTACHLOROPHENOL	Jan-8-18	0.1	60	ug/L	No	0	0.06
PHORATE	Jan-8-18	0.3	2	ug/L	No	15	0.002
PICLORAM	Jan-8-18	5	190	ug/L	No	3	0.19
POLYCHLORINATED BIPHENYLS(PCB)	Jan-8-18	0.05	3	ug/L	No	2	0.003
PROMETRYNE	Jan-8-18	0.1	1	ug/L	No	10	0.001
SIMAZINE	Jan-8-18	0.5	10	ug/L	No	5	0.01
TETRACHLOROETHYLENE	Jan-8-18	0.2	30	ug/L	No	1	0.03
TRICHLOROETHYLENE	Jan-8-18	0.1	5	ug/L	No	2	0.005
TERBUFOS	Jan-8-18	0.3	1	ug/L	No	30	0.001
2,3,4,6-TRICHLOROPHENOL	Jan-8-18	0.1	5	ug/L	No	2	0.005
TRIALATE	Jan-8-18	10	230	ug/L	No	4	0.23
2,4,6-TRICHLOROPHENOL	Jan-8-18	0.1	5	ug/L	No	2	0.005
Vinyl Chloride	Jan-8-18	0.2	2	ug/L	No	10	0.002
TRIFLURALIN	Jan-8-18	0.5	45	ug/L	No	1	0.045
THM (NOTE: SHOW LATEST ANNUAL AVERAGE)	Year 2018		100	ug/L	No	0	0.1
MCPA	Year 2018		100	ug/L	No	0	0.1
HAA	Year 2018		80	ug/L	No	0	0.08



**GLEN WALTER WATER TREATMENT
Annual Report 2018**

(as per O. Reg. 170/03 – Section 11)

and

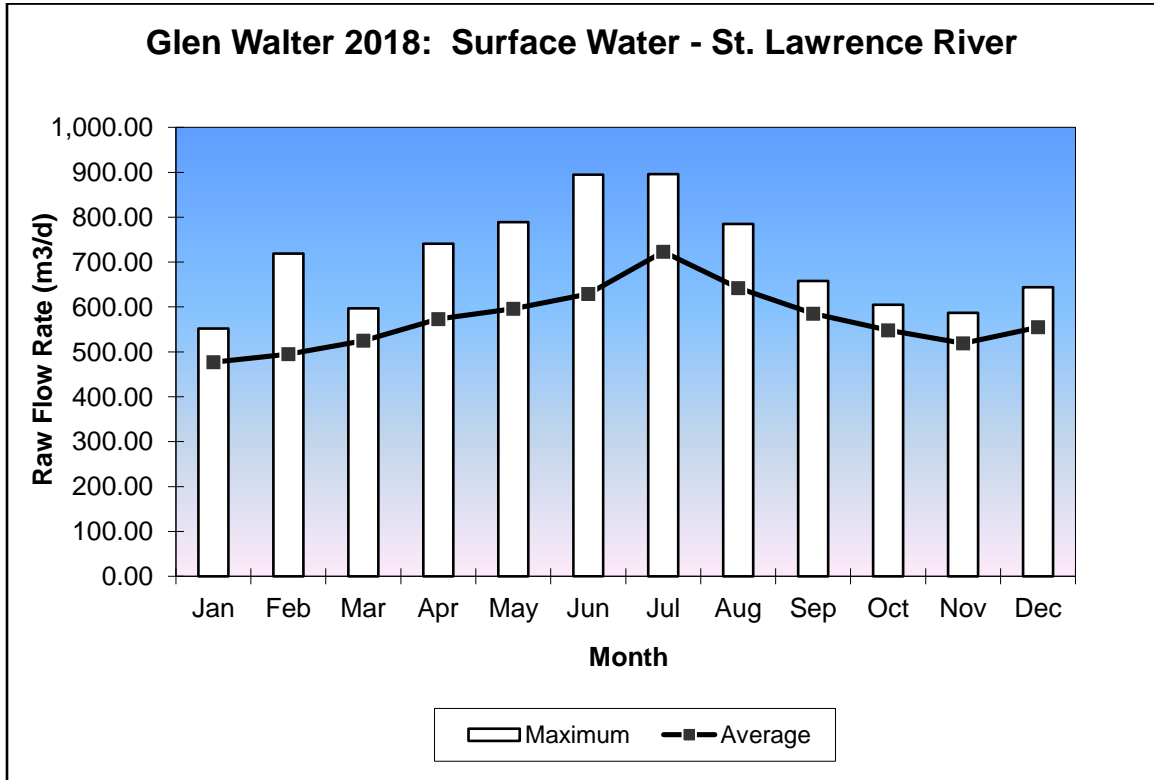
2018 Summary Report for Municipalities

(as per O. Reg. 170/03 – Schedule 22)

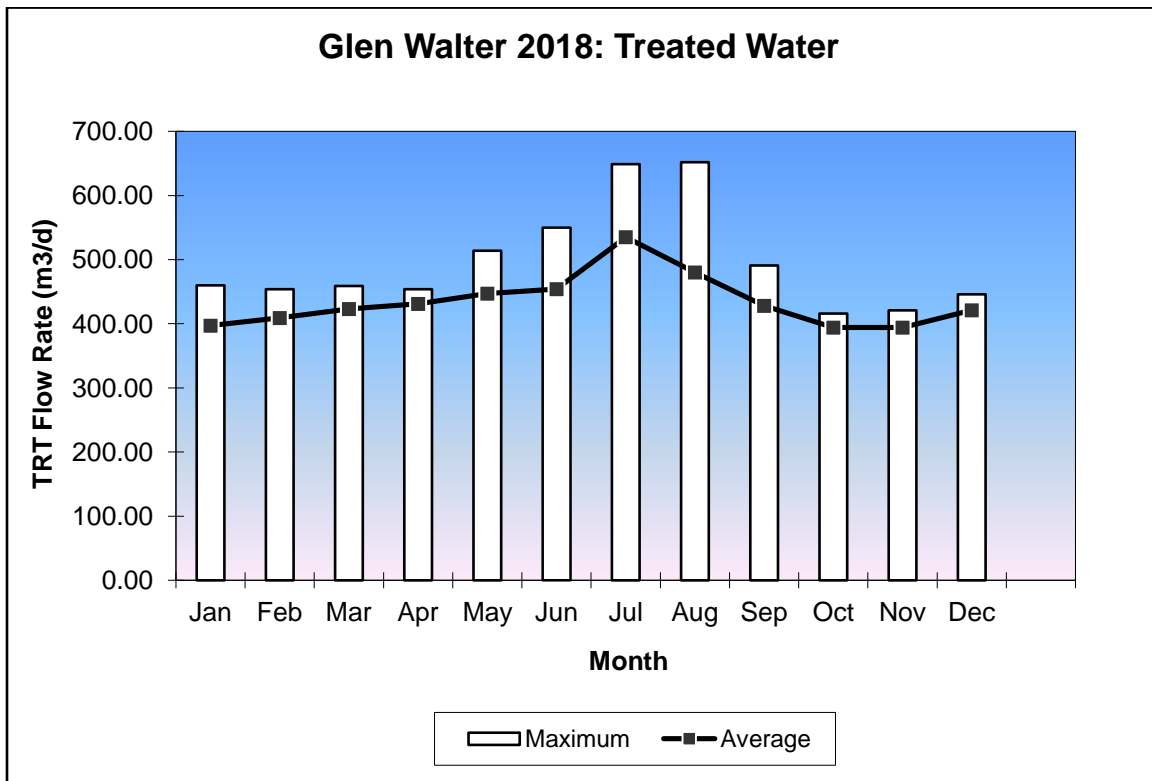
**Prepared by Shawn Killoran
Director of Water/Wastewater Operations**

Date Prepared/Submitted: February 12, 2019

Comparison of Daily Average and Maximum Raw Daily Flows for 2018



Comparison of
Daily Average and Maximum Treated Daily Flows for 2018



**The Corporation of the Township of South Glengarry
Glen Walter Water Treatment Plant
2018 Annual Performance Report**

Overview

The Township Of South Glengarry Glen Walter Water Treatment Plant is located approximately two kilometers east of Cornwall along County Road 2. The water plant is a surface water treatment facility serving the community of Glen Walter. The water treatment plant has a rated capacity of 995 cubic meters of water per day for a design population of 1,080 people.

The Township Of South Glengarry utilizes the following accredited laboratory to ensure safe and potable water to meet or exceed Ministry standards. Caduceon Laboratory Ottawa. We are also a participant in the Ministry Drinking Water Surveillance Program.

The Township Of South Glengarry Operators are all certified under the Ministry of Environment regulation 128/04 for Utility Operators Licensing Program.

The Township Of South Glengarry water system uses sodium hypochlorite chlorine for disinfection and Aluminum Sulphate for a coagulant.

Equipment

Raw water is consumed through a 300 millimeter intake pipe and intake crib approximately 390 meters off shore into the St. Lawrence River at a depth of approximately 12 meters. The water plant consist of two low lift pumps rated at 11.52 litres per second, one flocculation tank, two rapid sand filters, two carbon contactors, three compartment clear well reservoir and two high lift pumps rated at 16.44 litres per second together with all associated piping, electrical and mechanical equipment, control and alarm systems all housed in a common building.

Process

Raw water is pumped from the low lift pumping chamber, which is pre-chlorinated. A liquid coagulant is introduced into an in line flash mixer, then flows under pressure into a flocculation tank. When the coagulation flocculation process is complete the water flows through rapid sand filters in parallel, then through the carbon contactor series, which removes any taste and odour in the drinking water. Chlorine is added after the carbon contactors for post disinfection. The chlorinated (potable) water enters the three compartment storage reservoir, which is pumped to the distribution via high lift pumps. To ensure safe and potable water sampling and testing is completed on a regular basis.

Upgrades

Installed new filter media for filter 1 and filter 2 (anthracite).

Operational Issues

Failed 1,4-Dichlorobenzene testing with 7.6ug/L (Criteria=5ug/l as per Ontario Drinking Water Quality Standards) On October 1st 2018

Reporting

A written report is prepared annually. This report is available for viewing at the Township Of South Glengarry Municipal office, 6 Oak Street Lancaster or at the Glen Walter Water Treatment Plant located at 18352 County Road 2 in Glen Walter. A copy of the report is also available on the Townships web site. A copy of the report is available free of charge to any resident requesting a copy. For more information on your Municipal water supply contact the Township Of South Glengarry Water/Wastewater Department at 613-931-3036 or fax 613-931-3340.

Ontario Drinking Water License #185-102

The Township of South Glengarry Water Treatment Department operated the Glen Walter Water Treatment Plant for the year 2018 and met all terms of the Ontario Drinking Water System Regulation 170/03, under the Safe Drinking Water Act. The Township of South Glengarry commitment policy is to: Provide a safe and reliable supply of drinking water to all of its customers, meet or exceed the requirements of all legislation and regulations applicable to drinking water and maintain and continually improve its quality management system.

A total of 209,286m³ of raw water had been treated for the year 2018 with a monthly average of 572m³ per day and a maximum flow of 896m³/day for the year. Maximum flow is equivalent to 90% plant capacity.

The Glen Walter Water Treatment Plant uses sodium hypochlorite for disinfection. A total of 703kg of sodium hypochlorite had been utilized for the year at an average dosage rate of 3.36mg/litre.

The Glen Walter Water Treatment Plant also uses aluminum sulphate as a coagulant in the treatment process. A total of 3.2m³ of aluminum sulphate was used.

Attached is the data spread sheet, which identifies flows, laboratory results, number of samples taken and chemical use on a monthly basis.

Municipality: Township of South Glengarry Project: Glen Walter W.T.P DWS # 210001861							Annual Report Data 2018					Water Source: St. Lawrence River Design Capacity: 0.995 x 1000 m3/D													
Description: Pressure Filter System - Carbon Contactors - Alum Coagulation - Chlorine Gas Disinfection																									
	Raw Water Flow			Treated Water Flow			Chemical Usage		Treated Water						Distribution Water										
	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Cl2 Total Kg Used	Alum Total m3 Used	Free Cl2 Residual mg/L Min. Max. Avg.			Average Turbidity NTU	Average Colour TCU	Average Aluminum mg/L	Nitrate NO3 mg/L	Nitrite NO2 mg/L	Free Cl2 Residual mg/L Min. Max. Avg.			THM ug/L	Lead µg/L	Lead µg/L			
January	14.812	0.477	0.552	12.336	0.397	0.460	47.91	0.228	0.91	1.66	1.55	0.12	0	0.046	0.2	0.1	0.94	1.38	1.22	16.9					
February	13.867	0.495	0.719	11.477	0.409	0.454	42.42	0.217	1.36	1.66	1.53	0.10	0	0.045			1.10	1.34	1.28						
March	16.287	0.525	0.597	13.138	0.423	0.459	45.13	0.243	0.84	1.64	1.53	0.11	0	0.028			1.00	1.26	1.15						
April	17.201	0.573	0.741	12.941	0.431	0.454	50.20	0.268	0.94	2.16	1.48	0.14	0	0.033	0.3	0.1	1.01	1.26	1.13	36.2					
May	18.487	0.596	0.789	13.885	0.447	0.514	52.06	0.251	0.54	1.42	1.27	0.14	0	0.056			0.82	1.04	0.91						
June	18.890	0.629	0.895	13.636	0.454	0.550	75.52	0.284	0.82	1.50	1.30	0.08	0	0.062			0.78	0.99	0.92						
July	22.440	0.723	0.896	16.590	0.535	0.649	94.76	0.361	0.49	1.42	1.29	0.06	0	0.092	0.2	0.1	0.83	1.21	0.96	78.2					
August	19.923	0.642	0.785	14.890	0.480	0.652	84.25	0.310	0.48	1.36	1.23	0.10	0	0.093			0.77	0.97	0.86						
September	17.569	0.585	0.658	12.852	0.428	0.491	73.75	0.276	1.14	1.60	1.45	0.08	0	0.077			0.76	1.11	0.98						
October	17.001	0.548	0.605	12.237	0.394	0.416	64.76	0.287	1.37	1.60	1.47	0.09	0	0.049	0.1	0.1	0.71	1.27	1.00	52.0					
November	15.577	0.519	0.587	11.826	0.394	0.421	37.53	0.248	1.38	2.15	1.56	0.10	0	0.040			0.82	1.38	1.13						
December	17.232	0.555	0.644	13.065	0.421	0.446	35.60	0.278	1.38	1.98	1.48	0.11	0	0.037			0.94	1.26	1.12						
Total	209.286			158.873			703.89	3.251																	
Average	17.441	0.572	0.7056667	13.239	0.434	0.497	58.658	0.271	0.97	1.68	1.43	0.10	0.00	0.055	0.2	0.100	0.87	1.21	1.06	45.825	#DIV/0!	#DIV/0!			
Criteria						0.995			0.2				5	0.1	10	1	0.05			100	10	10			
Maximum						0.652			0.48				0	0.93	0.3	0.1	0.71			45					
Compliance						Yes			Yes						Yes	Yes	Yes	Yes	Yes				Yes		

	Total # of Raw Samples	Raw Water Escherichia Coliform (cfu/100mL)			Raw Water Total Coliform (cfu/100mL)			Total # of Treated Samples	Treated Water Escherichia Coliform (cfu/100mL)		Treated Water Total Coliform (cfu/100mL)		Treated Water Heterotrophic Plate Count (cfu/100mL)		Total # of Dist. Samples	Distribution Water Escherichia Coliform (cfu/100mL)		Distribution Water Total Coliform (cfu/100mL)		Distribution Water Heterotrophic Plate Count (cfu/100mL)	
		Minimum	Maximun	Average	Minimum	Maximun	Average		Safe	Unsafe	Safe	Unsafe	Safe	Unsafe		Safe	Unsafe	Safe	Unsafe	Safe	Unsafe
January	5	0	7	1.80	2	38	12.40	5	5	0	5	0	5	0	15	15	0	15	0	15	0
February	4	0	1	0.50	2	14	5.50	4	4	0	4	0	4	0	12	12	0	12	0	12	0
March	4	0	2	0.75	2	6	3.50	4	4	0	4	0	4	0	12	12	0	12	0	12	0
April	5	2	5	3.00	6	32	13.20	5	5	0	5	0	5	0	15	15	0	15	0	15	0
May	4	0	2	0.75	4	6	5.00	4	4	0	4	0	4	0	12	12	0	12	0	12	0
June	4	0	13	3.75	2	28	9.00	4	4	0	4	0	4	0	12	12	0	12	0	12	0
July	5	0	5	1.80	2	20	8.00	5	5	0	5	0	5	0	15	15	0	15	0	15	0
August	4	0	6	1.50	0	4	2.00	4	4	0	4	0	4	0	12	12	0	12	0	12	0
September	4	0	7	2.25	2	24	10.50	4	4	0	4	0	4	0	12	12	0	12	0	12	0
October	5	0	11	3.20	2	24	7.20	5	5	0	5	0	5	0	15	15	0	15	0	15	0
November	4	2	15	7.50	6	32	19.50	4	4	0	4	0	4	0	12	12	0	12	0	12	0
December	4	0	8	3.50	2	40	17.00	4	4	0	4	0	4	0	12	12	0	12	0	12	0
Total	52							52							156						

GLEN WALTER WATER TREATMENT PLANT						
INORGANIC PARAMETERS						
PARAMETER	SAMPLE DATE	RESULT VALUE	MAC	UNIT OF MEASURE	EXCEEDANCE	%
ANTIMONY	Jan-8-18	0.0001	0.006	mg/L	No	2
ARSENIC	Jan-8-18	0.0004	0.025	mg/L	No	2
BARIUM	Jan-8-18	0.014	1	mg/L	No	1
BORON	Jan-8-18	0.022	5	mg/L	No	0
CADMIUM	Jan-8-18	0.00002	0.005	mg/L	No	0
CHROMIUM	Jan-8-18	0.002	0.05	mg/L	No	4
LEAD	Year 2017	0.24	10	ug/L	No	2
MERCURY	Jan-8-18	0.00002	0.001	mg/L	No	2
SELENIUM	Jan-8-18	0.001	0.01	mg/L	No	10
SODIUM	Aug-8-17	19.2	200	mg/L	No	10
URANIUM	Jan-8-18	0.00018	0.02	mg/L	No	1
FLUORIDE	Aug-8-17	0.1	1.5	mg/L	No	7
NITRITE	Year 2018		1	mg/L	No	0
NITRATE	Year 2018		10	mg/L	No	0

Eastern Ontario Health Unit MAC						
Sodium	Aug-8-17	19.2	20	mg/L	No	96

GLEN WALTER WATER TREATMENT PLANT							
ORGANIC PARAMETERS							
PARAMETER	SAMPLE DATE	RESULT VALUE	MAC	UNIT OF MEASURE	EXCEEDANCE	%	MAC mg/L
ALACHLOR	Jan-8-18	0.3	5	ug/L	No	6	0.005
ATRAZINE + N-DEALKYLATED METOBOLITES	Jan-8-18	0.5	5	ug/L	No	10	0.005
AZINPHOS-METHYL	Jan-8-18	1	20	ug/L	No	5	0.02
BENZO(A)PYRENE	Jan-8-18	0.005	0.01	ug/L	No	50	0.00001
BENZENE	Jan-8-18	0.5	5	ug/L	No	10	0.005
BROMOXYNIL	Jan-8-18	0.3	5	ug/L	No	6	0.005
CARBON TETRACHLORIDE	Jan-8-18	0.2	5	ug/L	No	4	0.005
CARBARYL	Jan-8-18	3	90	ug/L	No	3	0.09
CARBOFURAN	Jan-8-18	1	90	ug/L	No	1	0.09
CHLORPYRIFOS	Jan-8-18	0.5	90	ug/L	No	1	0.09
1,2-DICHLOROBENZENE	Jan-8-18	0.1	200	ug/L	No	0	0.2
1,4-DICHLOROBENZENE	Jan-8-18	0.2	5	ug/L	No	4	0.005
1,2-DICHLOROETHANE	Jan-8-18	0.1	5	ug/L	No	2	0.005
1,1-DICHOETHENE	Jan-8-18	0.1	1.4	ug/L	No	7	0.0014
DICHLOROMETHANE	Jan-8-18	0.3	50	ug/L	No	1	0.05
DIAZINON	Jan-8-18	1	20	ug/L	No	5	0.02
DICAMBA	Jan-8-18	5	120	ug/L	No	4	0.12
2-4 DICHLOROPHENOL	Jan-8-18	0.1	900	ug/L	No	0	0.9
2,4-DICHLOROPHENOXY ACETIC ACID(2,4-D)	Jan-8-18	5	100	ug/L	No	5	0.1
DICLOFOP-METHYL	Jan-8-18	0.5	9	ug/L	No	6	0.009
DIMETHOATE	Jan-8-18	1	20	ug/L	No	5	0.02
DIQUAT	Jan-8-18	5	70	ug/L	No	7	0.07
DIURON	Jan-8-18	5	150	ug/L	No	3	0.15
GLYPHOSATE	Jan-8-18	25	280	ug/L	No	9	0.28
MONOCHLOROBENZENE	Jan-8-18	0.2	80	ug/L	No	0	0.08
MALATHION	Jan-8-18	5	190	ug/L	No	3	0.19
METOLACHLOR	Jan-8-18	3	50	ug/L	No	6	0.05
METRIBUZIN	Jan-8-18	3	80	ug/L	No	4	0.08
PARAQUAT	Jan-8-18	1	10	ug/L	No	10	0.01
PENTACHLOROPHENOL	Jan-8-18	0.1	60	ug/L	No	0	0.06
PHORATE	Jan-8-18	0.3	2	ug/L	No	15	0.002
PICLORAM	Jan-8-18	5	190	ug/L	No	3	0.19
POLYCHLORINATED BIPHENYLS(PCB)	Jan-8-18	0.05	3	ug/L	No	2	0.003
PROMETRYNE	Jan-8-18	0.1	1	ug/L	No	10	0.001
SIMAZINE	Jan-8-18	0.5	10	ug/L	No	5	0.01
TETRACHLOROETHYLENE	Jan-8-18	0.2	30	ug/L	No	1	0.03
TRICHLOROETHYLENE	Jan-8-18	0.1	5	ug/L	No	2	0.005
TERBUFOS	Jan-8-18	0.3	1	ug/L	No	30	0.001
2,3,4,6-TETRACHOLOPHENOL	Jan-8-18	0.1	5	ug/L	No	2	0.005
TRIALATE	Jan-8-18	10	230	ug/L	No	4	0.23
2,4,6-TRICHLOROPHENOL	Jan-8-18	0.1	5	ug/L	No	2	0.005
TRIFLURALIN	Jan-8-18	0.5	45	ug/L	No	1	0.045
Vinyl Chloride	Jan-8-18	0.2	2	ug/L	No	10	0.002
THM (NOTE: SHOW LATEST ANNUAL AVERAGE)	Year 2018		100	ug/L	No	0	0.1
MCPA	Year 2018		100	ug/L	No	0	0.1
HAA	Year 2018		80	ug/L	No	0	0.08



**LANCASTER SEWAGE TREATMENT
Annual Report
2018**

**Prepared by Shawn Killoran
Director of Water/Wastewater Operations**

Date Prepared/Submitted: February 12, 2019

**The Corporation of the Township of South Glengarry
Lancaster Sewage Treatment
(Sewage Plant)
2018 Annual Performance Report**

In accordance with the Certificate of Approval, Number 8124-4L9KB9, Issue date July 17, 2000 the Water Pollution Control Plant (WPCP) is required to prepare an annual performance report. This document covers the reporting year January 01 to December 31, 2018; the facility performance report summarizes important information regarding the quality of the effluent wastewater, analytical test results, maintenance operations, and relevant activities of the WPCP.

DESCRIPTION OF WORKS

Capacity of Works	1,490 m ³ /day (average daily flow)
Service Area	Village of Lancaster & South Lancaster
Service Population	approximately 775
Effluent Receiver	Lake St. Francis
Major Process	Facultative Lagoon treatment facility complete with a phosphorus removal system

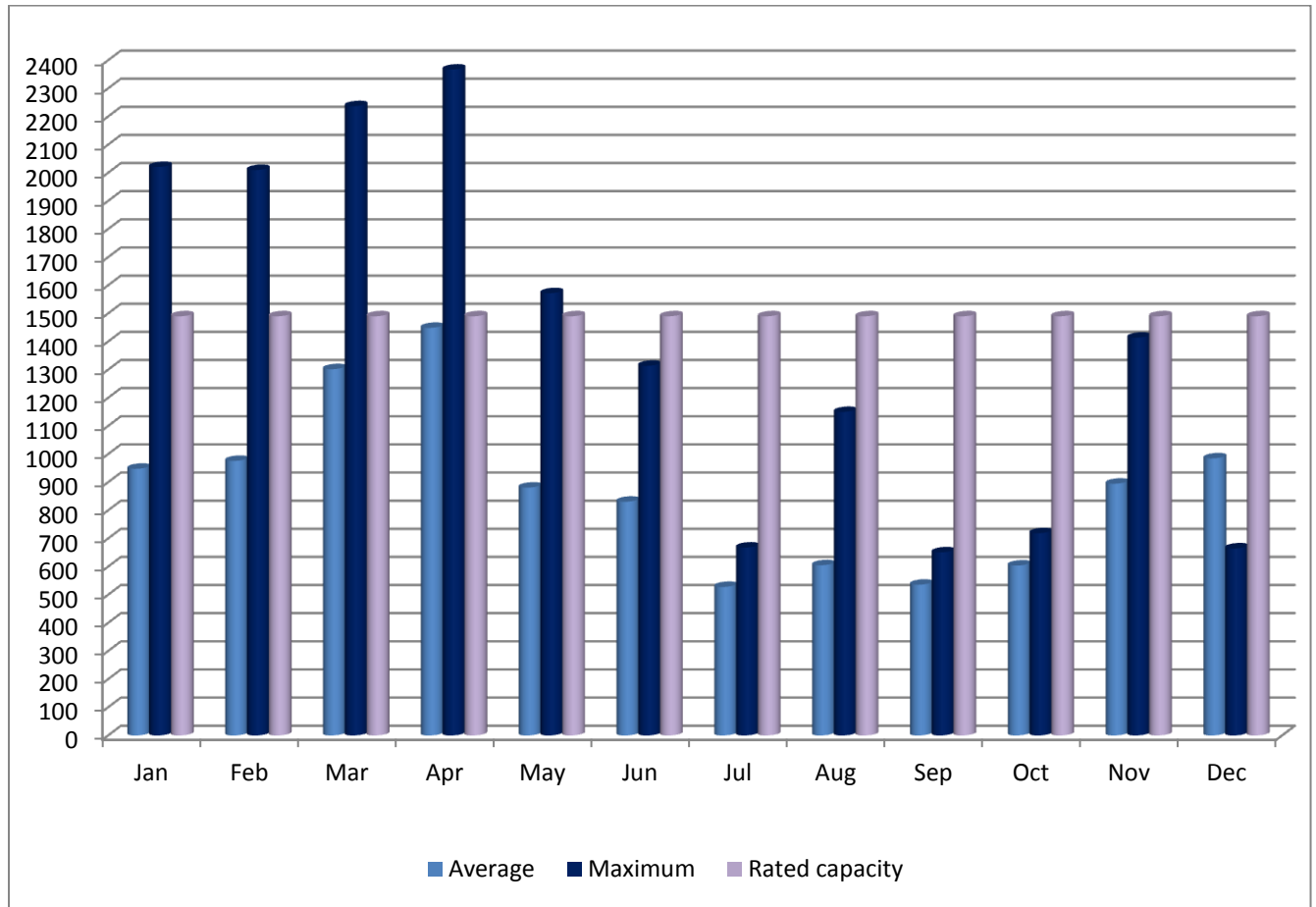
The Lancaster WPCP received and operates its operation under *Certificates of Approval (now referred to as Environmental Compliance Approval [ECA])* Number 8124-4L9KB9, in accordance with Section 53 of the Ontario Water Resources Act. The Certificate of Approval outlines the terms and conditions, and, the report captures these terms and conditions in the following sections.

Rated Capacity

For the purposes of the ECA and the terms and conditions specified, the following definition applies: “*Rated Capacity*” means the *Average Daily Flow* for which the *Works* are approved to handle.

The rated capacity of the Lancaster WPCP is 1,490 cubic meters per day (m³/day); that is raw influent (flow) into the lagoon for treatment. During the reporting year 2018.

Monthly Average and Maximum Daily Flows for 2018
(Rated capacity 1,490 m³/day)



EFFLUENT OBJECTIVES

The owner and/or operating authority shall use *best efforts* to design, construct and operate the *Works* with the objective that the concentrations and loadings of the materials named below (Table 1) as effluent parameters are not exceeded in the effluent from the *Works*.

Effluent *Best Efforts* Limits as per ECA, condition 3.1 Table 1

Effluent Parameter	Average Concentration (milligrams per litre unless otherwise indicated)	Average Loading Objective (kilograms per day unless otherwise indicated)
Column 1	Column 2	Column 3
<i>CBOD₅</i>	25	37.3
Total Suspended Solids	30	44.7
Total Phosphorus		
Summer – June 1 to November 30	0.4	0.60
Winter – December 1 to May 31	0.8	1.2
Total Ammonia Nitrogen:		
Summer – June 1 to November 30	11	16.4
Winter- December 1 to May 31	18	26.8
<i>E. Coli – May 1 to September 31</i>		-

EFFLUENT LIMITS

The *Owner* shall operate and maintain the *Works* such that the concentrations and waste loadings of the materials named in Table 2 as effluent parameters are not exceeded in the effluent from the *Works*.

Effluent Limits as per C of A, conditions 1.4 Table 2

Effluent Parameter	Average Concentration (milligrams per litre unless otherwise indicated)	Average Loading Objective (kilograms per day unless otherwise indicated)
Column 1	Column 2	Column 3
<i>CBOD₅</i>	30	44.7
Total Suspended Solids	40	59.6
Total Phosphorus		
Summer – June 1 to November 30	0.5	0.75
Winter – December 1 to May 31	1.0	1.5
Total Ammonia Nitrogen:		
Summer – June 1 to November 30	13	19.4
Winter- December 1 to May 31	20	30.0
<i>E. Coli – May 1 to September 31</i>		-

MONITORING AND RECORDING

The *Owner* shall, upon commencement of operation of the *Works*, carry out the following the monitoring program.

Effluent Monitoring - (samples to be collected at the outlet of the disinfection facilities or at the outfall sewer as close as possible at the treatment plant)

Effluent Monitoring

Parameters	Sample Type	Frequency
<i>CBOD₅</i>	24-hr composite	Bi-monthly
Total Suspended Solids	24-hr composite	Bi-monthly
Total Phosphorus	24-hr composite	Weekly
Total Ammonia Nitrogen	24-hr composite	Weekly
<i>E. Coli</i>	Grab	Weekly

LABORATORY

Caduceon Environmental laboratories is contracted to conduct the required analytical tests of the influent (raw) and effluent samples, as per the ECA.

2018 ANNUAL EFFLUENT QUALITY:

Parameters	Average Concentration mg/L	Criteria Concentration mg/L	Average Loading, kg/d	Loading Criteria, kg/d
<i>CBOD₅</i>	5.17	30	4.78	44.7
Total Suspended Solids	11.68	40	11.71	59.6
Total Phosphorus				
Summer – June 1 to November 30	0.07	0.5	0.05	0.75
Winter – December 1 to May 31	0.19	1.0	0.2	1.5
Total Ammonia Nitrogen:				
Summer – June 1 to November 30	2.84	13	2.02	19.4
Winter- December 1 to May 31	7.32	20	7.5	30.0
<i>E. Coli</i>	55.18		-	-

In the reporting year 2018, the *Works* were operated and maintained such that the concentrations and waste loadings of the materials named in Table 2 as effluent parameters were not exceeded

in the effluent from the *Works*; in compliance with the ECA requirements for the effluent limits parameters.

In addition, *best efforts* were achieved with the objective that the concentrations and loadings of the materials named above in (Table 1) as effluent parameters were not exceeded in the effluent from the *Works*

INVENTORY

Chemical	Annual Status	Units
Alum	57	Cubic meters

MAINTENANCE

The operators performed the routine operations and maintenance at the treatment plant and pumping stations in accordance with the preventative maintenance program (report on file at plant). The activities are highlighted as follows:

MONTHLY

- Checked operations and performance of sewage pumps.

Treatment Plant:

- Changed oil on blower #1, #2 and #3

Pump Stations:

- Pumps tested

QUARTERLY

- N/A

SEMI-ANNUALLY

- Cleaned filters on blower #1, #2 and #3.

ANNUALLY

- Annual calibration of monitoring equipment – Flowmetrix Technical Services Inc.
- Annual calibration of flow meters – Flowmetrix Technical Services Inc.

OPERATIONAL ISSUES

N/A

BIOSOLID (SLUDGE) SUMMARY

The Glen Walter WPCP has a program in place for the removal of biosolids transferred from the Glen Walter W.P.C.P *Works to the Lancaster lagoons*; volume totaling 446 m³ for the fiscal year 2018. Joseph Romeo René Goulet (Certificate of Approval Hauler # A 920463) is contracted and hauled/transported 446 m³ to the Lancaster Lagoons for disposal.

The *Works* maintains haulage records for biosolids transferred from the Glen Walter WPCP to the Lancaster Lagoons; available upon request.

COMPLAINTS

No complaints were lodged in the fiscal year January 01 – December 31, 2018.

BY-PASS REPORT(S)

N/A

REPORTS

Appendix A – Lancaster Sewage Annual Performance Report 2018 (Attached)

Caduceon Environmental Laboratories Analytical Reports - (on-file at plant)

Lancaster Daily/Monthly Report Summary - (on-file at plant)

Lancaster Bypass Incident Report – (on-file at plant)

APPENDIX – A –
Lancaster Lagoons
2018

Municipality: Township of South Glengarry
Project: Lancaster Lagoons

Annual Report Data
2018

Water Course: Lake St. Francis
Design Capacity: 1.490 x 1000 m3/D

Description: 2 Sewage Pumping Stations - 1 Aeration Cell - Facultative Treatment - Continuous Discharge

	Influent Flow			Effluent Flow - Total X 1000 m3/D	Biochemical Oxygen Demand			Suspended Solids - Total			Phosphorus			Ammonium Average Effluent mg/L	Waste Loadings				Alum m3 Used
	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3		Average Influent mg/L	Average Effluent mg/L	Removal Percent	Average Influent mg/L	Average Effluent mg/L	Removal Percent	Average Influent mg/L	Average Effluent mg/L	Removal Percent		BOD Kg/D	TSS Kg/D	TP Kg/D	N-NH3 Kg/D	
January	29.401	0.948	2.021	22.010	108.00	8.40	92.22	93.00	23.20	75.05	2.43	0.24	90.12	10.21	5.96	16.47	0.17	7.25	3.768
February	30.277	0.976	2.010	25.590	72.00	4.50	93.75	43.00	24.00	44.19	1.68	0.27	83.93	8.09	4.11	21.91	0.25	7.39	2.796
March	40.371	1.302	2.237	38.894	36.00	4.50	87.50	68.00	21.25	68.75	1.54	0.19	87.66	8.8	5.64	26.65	0.24	11.04	5.218
April	43.492	1.449	2.367	41.099	47.00	10.80	77.02	44.00	28.40	35.45	1.86	0.21	88.71	6.62	14.79	38.88	0.29	9.06	5.475
May	27.329	0.881	1.572	30.721	79.00	3.25	95.89	77.50	14.75	80.97	3.31	0.16	95.17	5.8	3.22	14.62	0.16	5.75	7.140
June	24.945	0.831	1.314	24.939	158.00	3.75	97.63	126.00	3.25	97.42	3.87	0.12	96.90	7.11	3.12	2.70	0.10	5.91	4.799
July	16.375	0.528	0.668	16.375	228.00	3.80	98.33	216.00	3.40	98.43	6.99	0.07	99.00	3.88	2.01	1.80	0.04	2.05	5.099
August	18.771	0.605	1.150	18.771	156.00	3.75	97.60	138.00	3.75	97.28	3.19	0.08	97.49	3.64	2.27	2.27	0.05	2.20	4.752
September	16.082	0.536	0.651	16.082	163.00	3.75	97.70	136.00	3.00	97.79	3.74	0.05	98.66	0.39	2.01	1.61	0.03	0.21	4.637
October	18.748	0.604	0.719	18.748	162.00	3.00	98.15	173.00	3.40	98.03	4.62	0.06	98.70	0.42	1.81	2.05	0.04	0.25	4.597
November	26.873	0.895	1.414	27.981	104.00	5.50	94.71	91.00	6.00	93.41	2.11	0.08	96.21	1.63	5.13	5.59	0.07	1.52	4.750
December	30.554	0.985	1.464	32.153	75.00	7.00	90.67	93.00	5.75	93.82	2	0.12	94.00	4.4	7.26	5.96	0.12	4.56	4.299
Total	323.218			313.363											57.32	140.51	1.55	57.18	57.330
Average	26.935	0.878	1.466	26.114	115.67	5.17	93.43	108.21	11.68	81.72	3.11	0.14	93.88	5.08	4.78	11.71	0.13	4.77	
Criteria		1.49				30			40			S 0.5		S 13	44.7	59.6	S 0.75	S 19.4	
												W 1.0		W 20			W 1.5	W 30	
Maximum		1.449				10.8			28.4			0.27		10.21	14.79	38.88	0.29	11.04	
Compliance		Yes				Yes			Yes			Yes		Yes	Yes	Yes	Yes	Yes	
	Effluent Flow																		
	Average m3/D																		
January	0.71																		
February	0.913																		
March	1.254																		
April	1.369																		
May	0.991																		
June	0.831																		
July	0.528																		
August	0.605																		
September	0.536																		
October	0.604																		
November	0.932																		
December	1.037																		
Average	0.859																		



**GREEN VALLEY SEWAGE TREATMENT
Annual Report
2018**

**Prepared by Shawn Killoran
Director of Water/Wastewater Operations**

Date Prepared/Submitted: February 12, 2019

**The Corporation of the Township of South Glengarry
Green Valley Sewage Treatment
(Sewage Plant)
2018 Annual Performance Report**

In accordance with the Certificate of Approval, Number 3-2012-88-896, Issue date August 1, 1989 the Water Pollution Control Plant (WPCP) is required to prepare an annual performance report. This document covers the reporting year January 01 to December 31, 2018; the facility performance report summarizes important information regarding the quality of the effluent wastewater, analytical test results, maintenance operations, and relevant activities of the WPCP.

DESCRIPTION OF WORKS

Capacity of Works	300 m ³ /day (average daily flow)
Service Area	Hamlet of Green Valley
Service Population	approximately 475
Effluent Receiver	Beaudette River
Major Process	Twin cell waste stabilization pond, with annual alum dosing for phosphorus and solids removal.

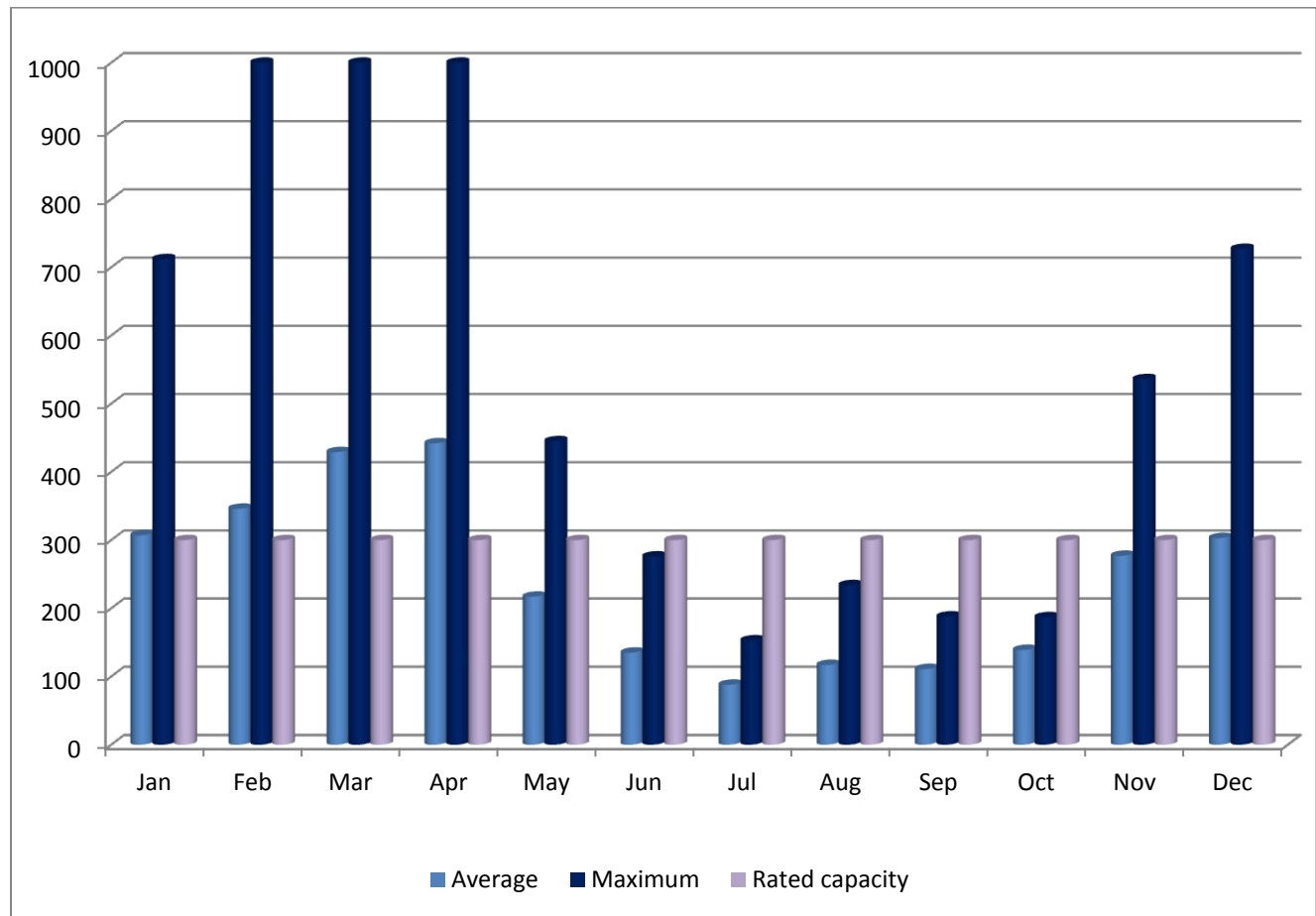
The Green Valley WPCP received and operates its operation under *Certificates of Approval (now referred to as Environmental Compliance Approval [ECA])* Number 3-2012-88-896, in accordance with Section 53 of the Ontario Water Resources Act. The Certificate of Approval outlines the terms and conditions, and, the report captures these terms and conditions in the following sections.

Rated Capacity

For the purposes of the ECA and the terms and conditions specified, the following definition applies: “*Rated Capacity*” means the *Average Daily Flow* for which the *Works* are approved to handle.

The rated capacity of the Green Valley WPCP is 300 cubic meters per day (m³/day); that is raw influent (flow) into the lagoon for treatment. During the reporting year 2018.

Monthly Average and Maximum Daily Flows for 2018
(Rated capacity 300 m³/day)



EFFLUENT LIMITS

The *Owner* shall operate and maintain the *Works* such that the concentrations and waste loadings of the materials named in Table 1 as effluent parameters are not exceeded in the effluent from the *Works*.

Effluent Limits as per C of A, conditions 10 (1) Table 1

Effluent Parameter	Average Concentration (milligrams per litre unless otherwise indicated)	Average Loading Objective (kilograms per day unless otherwise indicated)
Column 1	Column 2	Column 3
<i>CBOD₅</i>	30	214.3
Total Suspended Solids	30	214.3
Total Phosphorus	1.0	7.1

MONITORING AND RECORDING

The *Owner* shall, upon commencement of operation of the *Works*, carry out the following the monitoring program.

Effluent Monitoring - (samples to be collected at the outlet of the disinfection facilities or at the outfall sewer as close as possible at the treatment plant)

Effluent Monitoring

Parameters	Sample Type	Frequency
<i>CBOD₅</i>	Grab	Every 0.5 meters
Total Suspended Solids	Grab	Every 0.5 meters
Total Phosphorus	Grab	Every 0.5 meters

LABORATORY

Caduceon Environmental laboratories is contracted to conduct the required analytical tests of the influent (raw) and effluent samples, as per the ECA.

2018 ANNUAL EFFLUENT QUALITY:

Parameters	Average Concentration mg/L	Criteria Concentration mg/L	Average Loading, kg/d	Loading Criteria, kg/d
<i>CBOD₅</i>	5.25	30	24.44	214.3
Total Suspended Solids	15.75	30	73.33	214.3
Total Phosphorus	0.27	1.0	1.26	7.1

In the reporting year 2018, the *Works* were operated and maintained such that the concentrations and waste loadings of the materials named in Table 2 as effluent parameters were not exceeded in the effluent from the *Works*; in compliance with the ECA requirements for the effluent limits parameters.

In addition, *best efforts* were achieved with the objective that the concentrations and loadings of the materials named above in (Table 1) as effluent parameters were not exceeded in the effluent from the *Works*

INVENTORY

Chemical	Annual Status	Units
Alum	14	Cubic meters

MAINTENANCE

The operators performed the routine operations and maintenance at the treatment plant and pumping stations in accordance with the preventative maintenance program (report on file at plant). The activities are highlighted as follows:

MONTHLY

- Checked operations and performance of sewage pumps.

Pump Stations:

- Re-grease grey-line unit probes in sewage pump stations

QUARTERLY

- N/A

SEMI-ANNUALLY

- N/A

ANNUALLY

- Annual calibration of monitoring equipment – Flowmetrix Technical Services Inc.
- Annual calibration of flow meters – Flowmetrix Technical Services Inc.

OPERATIONAL ISSUES

- The facility did meet all operational requirements for the fiscal year January 01 – December 31, 2018.

COMPLAINTS

- No complaints were lodged in the fiscal year January 01 – December 31, 2018.

BY-PASS REPORT(S)

- By-passed January 12, 2018; April 17, 2018; December 28, 2018

GREEN VALLEY WASTEWATER TREATMENT LAGOON PERFORMANCE 2018

On May 1st, 2018 the Township of South Glengarry Wastewater Department dosed the twin celled lagoon system with 14,000 litres of Alum for phosphorus removal. Each cell is equipped with a level marker which read 1.8 meters, that is equal to approximately 108,000 cubic meters of raw sewage.

On May 2nd, 2018 at approximately 10:30 am, the lagoon discharge commenced and the first set of samples were collected. The flow was set at approximately 6,800 cubic meters per day. On May 22nd, 2018 the discharge was terminated as per C of A 3-2012-88-896 which states: the sewage works shall be operated on an annual discharge basis with the effluent discharge commencing not earlier than March 15th or terminating not later than May 25th of each year. A total of 97,784 cubic meters have been recorded on the Manta Ray Level Velocity Logger.

Attached you will find the laboratory results of samples collected for the lagoon discharge period. (See Appendix. A)

REPORTS

Appendix A – Green Valley Sewage Annual Performance Report 2018 (Attached)

Caduceon Environmental Laboratories Analytical Reports - (on-file at plant)

Green Valley Daily/Monthly Report Summary - (on-file at plant)

Green Valley Bypass Incident – (on-file at plant)

APPENDIX – A –
Green Valley Lagoons
Sewage Annual Performance Report

2

Municipality: Township of South Glengarry
Project: Green Valley Lagoons

Annual Report Data
2018

Water Course: Beaudette River
Design Capacity: 0.300 x 1000 m3/D

Description: 2 Sewage Pumping Stations - 2 Faculative Cells - Annual Discharge

	Influent Flow			Effluent	Biochemical Oxygen Demand			Suspended Solids - Total			Phosphorus			Waste Loadings			Alum
	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Flow - Total X 1000 m3/D	Average Influent mg/L	Average Effluent mg/L		Average Influent mg/L	Average Effluent mg/L		Average Influent mg/L	Average Effluent mg/L		BOD Kg/D	TSS Kg/D	TP Kg/D	m3 Used
January	9.522	0.307	0.712	0	225	0		302	0		6.08	0		0.00	0.00	0.00	0
February	9.715	0.346	1.173	0	67	0		820	0		3.23	0		0.00	0.00	0.00	0
March	13.313	0.429	1.084	0	57	0		420	0		2.37	0		0.00	0.00	0.00	
April	13.287	0.442	1.067	0	60	0		80	0		1.94	0		0.00	0.00	0.00	0
May	6.731	0.217	0.445	4.656	77	5.25		92	15.75		2.01	0.27		24.44	73.33	1.26	14
June	4.196	0.135	0.276	0	117	0		180	0		3.46	0		0.00	0.00	0.00	0
July	2.748	0.088	0.153	0	319	0		250	0		9.05	0		0.00	0.00	0.00	0
August	3.643	0.117	0.234	0	174	0		184	0		5.22	0		0.00	0.00	0.00	0
September	3.335	0.111	0.188	0	80	0		36	0		3.47	0		0.00	0.00	0.00	0
October	4.321	0.139	0.187	0	174	0		200	0		5.61	0		0.00	0.00	0.00	0
November	8.594	0.277	0.536	0	117	0		160	0		1.86	0		0.00	0.00	0.00	0
December	9.401	0.303	0.727	0	578	0		1600	0		6.55	0		0.00	0.00	0.00	0
Total	88.806			4.656										24.44	73.33	1.26	14
Average	7.4005	0.243	0.565	4.656	170.42	5.25		360.33	15.75		4.24	0.27		24.44	73.33	1.26	
Criteria		0.3							25					214.3	214.3	7.1	
Maximum		0.442				5.25			15.75			0.27					
Compliance	No					Yes					Yes				Yes	Yes	Yes

Influent						Effluent	Effluent									
BOD Average mg/L	TKN Average mg/L	TP Average mg/L	NH3 Average mg/L		Average Flow X1000 m3/D		BOD mg/L	TSS mg/L	TP mg/L	NH3 mg/L	pH	TKN mg/L	NO2 mg/L	NO3 mg/L	E. Coli cfu/100ml	T. Coli cfu/100ml
						Sample Date:										
January	225	47.60	6.08	24.60	0.000	May 2 2018	6	24	0.37	4.68	7.98	7.9	0.1	0.1	260	3800
February	67	28.60	3.23	16.90	0.000	May 7 2018	7	17	0.22	2.09	8.16	4.7	0.9	0.8	116	700
March	57	17.50	2.37	6.30	0.000	May 15 2018	3	11	0.17	0.04	8.46	2	0.1	0.1	4	20
April	60	15.10	1.94	6.78	0.000	May 22 2018	5	11	0.31	0.2	8.08	3.2	0.1	0.1	172	260
May	77	18.10	2.01	10.20	4.656											
June	117	24.30	3.46	12.80	0.000											
July	319	57.40	9.05	39.60	0.000											
August	174	39.20	5.22	18.20	0.000											
September	80	36.00	3.47	31.90	0.000											
October	174	51.10	5.61	36.20	0.000											
November	117	17.40	1.86	10.10	0.000											
December	578	42.30	6.55	5.44	0.000											
Average	170.42	32.88	4.24	18.25	4.656		5.25	15.75	0.27	1.75	8.17	4.45	0.30	0.28	138	1195



**GLEN WALTER SEWAGE TREATMENT
Annual Report
2018**

**Prepared by Shawn Killoran
Director of Water/Wastewater Operations**

Date Prepared/Submitted: February 12, 2019

**The Corporation of the Township of South Glengarry
Glen Walter Water Pollution Control Plant
(Sewage Plant)
2018 Annual Performance Report**

In accordance with the Amended Certificate of Approval, Number 3-0464-84-889, Notice 3 issue date March 23, 2015, the Water Pollution Control Plant (WPCP) is required to prepare an annual performance report. This document covers the reporting year January 01 to December 31, 2018; the facility performance report summarizes important information regarding the quality of the effluent wastewater, analytical test results, maintenance operations, and relevant activities of the WPCP.

DESCRIPTION OF WORKS

Capacity of Works	787 m ³ /day (average daily flow)
Service Area	Purcell subdivision, South Glengarry
Service Population	approximately 775
Effluent Receiver	St. Lawrence River
Major Process	Secondary aeration treatment facility complete with a phosphorus removal system; ultra violet disinfection

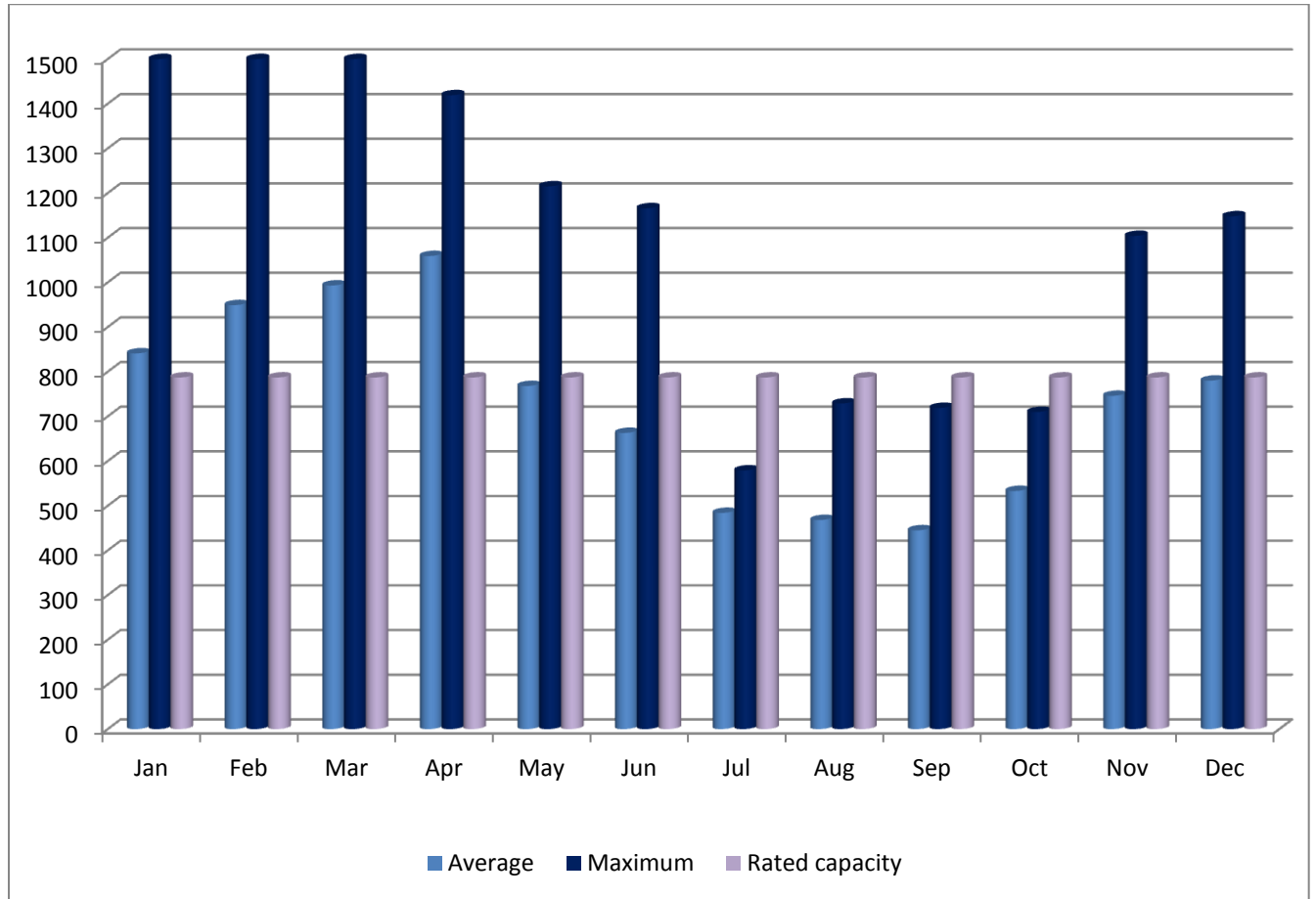
The Glen Walter WPCP received and operates its operation under *Certificates of Approval (now referred to as Environmental Compliance Approval [ECA])* Number 3-0464-84-889, original, Notice #1 and Notice #2 and Notice #3 documents, in accordance with Section 53 of the Ontario Water Resources Act. The Certificate of Approval outlines the terms and conditions, and, the report captures these terms and conditions in the following sections.

Rated Capacity

For the purposes of the ECA and the terms and conditions specified, the following definition applies: “*Rated Capacity*” means the *Average Daily Flow* for which the *Works* are approved to handle.

The rated capacity of the Glen Walter WPCP is 787 cubic meters per day (m³/day); that is raw influent (flow) into the plant for treatment. During the reporting year 2018, the Glen Walter WPCP exceeded the rated capacity of 787 m³/day one hundred and thirty days (130) days.

Monthly Average and Maximum Daily Flows for 2018
(Rated capacity 787 m³/day)



EFFLUENT OBJECTIVES

The owner and/or operating authority shall use *best efforts* to design, construct and operate the *Works* with the objective that the concentrations and loadings of the materials named below (Table 1) as effluent parameters are not exceeded in the effluent from the *Works*.

Effluent *Best Efforts* Limits as per ECA, condition 3 (1) – Table 1

Effluent Parameter	Average Concentration (milligrams per litre unless otherwise indicated)	Average Loading Objective (kilograms per day unless otherwise indicated)
Column 1	Column 2	Column 3
<i>CBOD₅</i>	15	9.38
Total Suspended Solids	15	9.38
Total Phosphorus	0.5	0.31
Total Ammonia Nitrogen:		
Summer - 14° C (May 1 to September 30)	2.0	1.25
Winter- 4° C (October 1 – April 30)	4.0	2.50
<i>E. Coli</i>	100 organisms per 100 millilitres	-

EFFLUENT LIMITS

The *Owner* shall operate and maintain the *Works* such that the concentrations and waste loadings of the materials named in Table 2 as effluent parameters are not exceeded in the effluent from the *Works*.

Effluent Limits as per C of A, conditions 4 (1) – Table 2

Effluent Parameter	Average Concentration (milligrams per litre unless otherwise indicated)	Average Loading Objective (kilograms per day unless otherwise indicated)
Column 1	Column 2	Column 3
<i>CBOD₅</i>	25	15.63
Total Suspended Solids	25	15.63
Total Phosphorus	0.86	0.54
Total Ammonia Nitrogen:		
Summer - 14° C (May 1 to September 30)	4.0	2.5
Winter- 4° C (October 1 – April 30)	8.0	5.0
<i>E. Coli</i>	200 organisms per	

	100 millilitres	-
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MONITORING AND RECORDING

The *Owner* shall, upon commencement of operation of the *Works*, carry out the following the monitoring program.

Effluent Monitoring - (samples to be collected at the outlet of the disinfection facilities or at the outfall sewer as close as possible at the treatment plant)

Effluent Monitoring

Parameters	Sample Type	Frequency
<i>CBOD₅</i>	24-hr composite	Weekly
Total Suspended Solids	24-hr composite	Weekly
Total Phosphorus	24-hr composite	Weekly
Total Ammonia Nitrogen	24-hr composite	Weekly
<i>E. Coli</i>	Grab	Weekly

LABORATORY

Caduceon Environmental laboratories is contracted to conduct the required analytical tests of the influent (raw) and effluent samples, as per the ECA.

2018 ANNUAL EFFLUENT QUALITY:

Parameters	Average Concentration mg/L	Criteria Concentration mg/L	Average Loading, kg/d	Loading Criteria, kg/d
<i>CBOD₅</i>	3.20	25	2.32	15.63
Total Suspended Solids	7.37	25	5.6	15.63
Total Phosphorus	0.24	0.86	0.17	0.54
Total Ammonia Nitrogen:				
Summer - 14° C (May 1 to September 30)	1.42	4.0	0.69	2.5
Winter- 4° C (October 1 – April 30)	0.14	8.0	0.12	5.0
<i>E. Coli</i> (monthly geometric mean density)	7.3	200 organisms per 100 millilitres	-	-

In the reporting year 2018, the *Works* were operated and maintained such that the concentrations and waste loadings of the materials named in Table 2 as effluent parameters were not exceeded in the effluent from the *Works*; in compliance with the ECA requirements for the effluent limits parameters.

In addition, *best efforts* were achieved with the objective that the concentrations and loadings of the materials named above in (Table 1) as effluent parameters were not exceeded in the effluent from the *Works*

INVENTORY

Chemical	Annual Status	Units
Alum	10.4	Cubic meters

MAINTENANCE

The operators performed the routine operations and maintenance at the treatment plant and pumping stations in accordance with the preventative maintenance program (report on file at plant). The activities are highlighted as follows:

MONTHLY

- Checked operations and performance of sewage pumps.
- Flushed Alum feed line

Treatment Plant:

- Changed oil on blower #1 and #2
- Cleaned air diffusers in digester

Pump Stations:

- Greased check valves at SPS #2

QUARTERLY

N/A

SEMI-ANNUALLY

- Changed filters on blower #1 and #2.
- Greased comminutor and clarifier drive.
- Cleaned alum sensors

ANNUALLY

- Annual calibration of monitoring equipment – Flowmetrix Technical Services Inc.
- Annual calibration of flow meters – Flowmetrix Technical Services Inc.

OPERATIONAL ISSUES

The facility met all operational requirements for the fiscal year January 01 – December 31, 2018.

BIOSOLID (SLUDGE) SUMMARY

The Glen Walter WPCP has a program in place for the removal of biosolids transferred from the *Works*; volume totaling 446 m³ for the fiscal year 2018. Joseph Romeo René Goulet (Certificate of Approval Hauler # A 920463) is contracted and hauled/transported 446 m³ to the Lancaster Lagoons for disposal.

The *Works* maintains haulage records for biosolids transferred from the Glen Walter WPCP; available upon request.

COMPLAINTS

No complaints were lodged in the fiscal year January 01 – December 31, 2018.

BY-PASS REPORT(S)

By-passing occurrences: January 12, 2018; February 21, 2018; March 31, 2018; April 30, 2018,

REPORTS

Appendix A – Annual Performance

Caduceon Environmental Laboratories Analytical Reports (on-file at plant)

Glen Walter Daily/Monthly Report Summary – (on-file at plant)

Bypass Report (on-file at plant as per occurrence)

APPENDIX – A –
Glen Walter Annual Performance Report
2018

Municipality: Township of South Glengarry
Project: Glen Walter W.P.C.P

Annual Report Data 2018

Water Course: St. Lawrence River
Design Capacity: 0.787 x 1000 m3/D

Description: 3 Sewage Pumping Stations - 1 Extended Aeration Plant - UV Effluent Disinfection

	Influent Flow			Effluent Flow	Biochemical Oxygen Demand			Suspended Solids - Total			Phosphorus			Ammonium	Waste Loadings				Alum	Effluent Flow
	Total X 1000 m3	Average X 1000 m3	Maximum Daily X 1000 m3	Total X 1000 m3/D	Average Influent mg/L	Average Effluent mg/L	Removal Percent	Average Influent mg/L	Average Effluent mg/L	Removal Percent	Average Influent mg/L	Average Effluent mg/L	Removal Percent	Average Effluent mg/L	BOD Kg/D	TSS Kg/D	TP Kg/D	N-NH3 Kg/D	m3 Used	Average m3/D
January	26.101	0.841	1.719	26.101	106	3.00	97.17	110	5.60	94.91	3.23	0.19	94.12	0.17	2.52	4.71	0.16	0.14	0.840	0.841
February	26.591	0.949	1.841	26.591	113	3.00	97.35	160	5.25	96.72	3.44	0.11	96.80	0.15	2.85	4.98	0.10	0.14	0.806	0.949
March	30.790	0.993	1.600	30.790	76	3.00	96.05	80	8.00	90.00	2.42	0.15	93.80	0.09	2.98	7.94	0.15	0.09	0.892	0.993
April	31.794	1.059	1.419	31.794	51	3.00	94.12	60	7.25	87.92	1.29	0.17	86.82	0.27	3.18	7.68	0.18	0.29	0.864	1.059
May	23.837	0.768	1.215	23.837	67	3.00	95.52	64	5.40	91.56	1.58	0.27	82.91	0.06	2.30	4.15	0.21	0.05	0.864	0.768
June	19.899	0.663	1.166	19.899	62	3.00	95.16	108	3.50	96.76	2.67	0.08	97.00	0.31	1.99	2.32	0.05	0.21	0.864	0.663
July	15.018	0.484	0.579	15.018	157	3.40	97.83	160	5.00	96.88	7.30	0.23	96.85	2.33	1.65	2.42	0.11	1.13	0.892	0.484
August	14.533	0.468	0.729	14.533	167	3.00	98.20	200	3.50	98.25	5.89	0.27	95.42	4.35	1.40	1.64	0.13	2.04	0.892	0.468
September	13.375	0.445	0.719	13.375	135	3.00	97.78	152	4.50	97.04	5.65	0.19	96.64	0.09	1.34	2.00	0.08	0.04	0.864	0.445
October	16.553	0.533	0.710	16.553	77	3.20	95.84	134	6.20	95.37	4.33	0.23	94.69	0.1	1.71	3.30	0.12	0.05	0.892	0.533
November	22.398	0.746	1.104	22.398	96	4.75	95.05	82	21.00	74.39	2.19	0.53	75.80	0.1	3.54	15.67	0.40	0.07	0.864	0.746
December	24.200	0.780	1.148	24.200	31	3.00	90.32	85	13.25	84.41	0.15	0.48	-220.00	0.15	2.34	10.34	0.37	0.12	0.892	0.78
Total	265.089			265.089										8.17	27.79	67.15	2.07	4.36	10.426	8.73
Average	22.091	0.727		22.09	94.83	3.20	95.87	116.25	7.37	92.02	3.35	0.24	65.90	0.68	2.32	5.60	0.17	0.36	0.869	0.73
Criteria		0.787				25			25			0.86		4	15.63	15.63	0.54	S 2.5		
																		W 5.0		
Maximum Compliance		No				Yes			Yes			Yes		Yes	Yes	Yes	Yes	Yes		

	Effluent E-Coli		
	Min	Max	Geo. Mean
January	2	8	4.0
February	2	64	11.3
March	2	500	31.6
April	2	8	4.0
May	2	30	7.7
June	2	2	2.0
July	2	110	14.8
August	2	2	2.0
September	2	2	2.0
October	2	2	2.0
November	2	4	2.8
December	2	6	3.5

Average	2	61.5	7.3
Criteria		200	

<i>Maximum</i>	500
<i>Compliance</i>	No



STAFF REPORT

S.R. No. 29-2019

PREPARED BY: Ewen MacDonald, GM Infrastructure Services

PREPARED FOR: Council of the Township of South Glengarry

COUNCIL DATE: March 4, 2019

SUBJECT: Water & Waste Water Capacity Allocation

BACKGROUND:

1. Council adopted the Allocation of Water and Waste Water Capacity By-law 24-11 in April 2011.
2. The by-law states that the municipality shall, at least annually, determine the available units of Water and Waste Water Capacities. From the available capacities, Council shall determine the Annual Development Allocation.
3. The Development Allocation has been calculated using historical flow data per service connection. The appended spreadsheets show the details of the available capacity calculations.
4. The available capacity and the distribution of 80% of the capacity for General Development and 20% for Infill Development are as follows:

Location	Water Connections	General Development	Infill
Glen Walter	127	102	25
Lancaster	386	309	77

Location	Waste Water Connections	General Development	Infill
Glen Walter	18	14	4
Lancaster	332	266	66



ANALYSIS:

1. The Glen Walter Waste Water Plant Certificate of Approval received a re-rating to 787 cm/day in March 2015.
2. The 5 Year Average Flow has been used to calculate the remaining capacity for Glen Walter Waste Water Plant.
3. There are 75 pre-approved connections that have been allocated in Glen Walter.
4. Administration will be setting a priority to address the high waste water flows in Glen Walter and will be implementing measures in an effort to reduce the extraneous flows that are having a major impact on the remaining capacity for this system.
5. Administration recommends that the capacity available, less the previously approved connections, be approved as the Annual Development Allocation for 2019.

ALIGNMENT WITH STRATEGIC PLAN:

N/A

IMPACT ON 201 BUDGET:

N/A

RECOMMENDATION:

BE IT RESOLVED THAT Council receive and file Staff Report 29-2019, being a report which details available capacity for allocation at the Glen Walter and Lancaster Water and Waste Water Systems and furthermore that the capacity available be approved as the Annual Development Allocation for 2019.

Recommended to Council for
Consideration by:
KELLI CAMPEAU - CLERK

Capacity Allocation
Glen Walter

		Average Flow	Connections	Per Connection	Design Capacity	Remaining Capacity	Remaining Connections	Pre Approved Connections	Available Capacity
2018	Water	497	384	1.29	995	498	385	75	310
		Maximum Flow							
		652	384	1.70	995	343	202	75	127
		Average Flow	Connections	Per Connection	Design Capacity	Remaining Capacity	Remaining Connections	Pre Approved Connections	Available Capacity
2018	Waste Water	727	364	2.00	787	60	30	75	0
2017		786	363	2.17	787	1	0	74	0
2016		626	358	1.75	787	161	92	70	22
2015		585	326	1.79	787	202	113	91	22
2014		605	318	1.90	787	182	96	52	44
5 Year Average		666	346	2	787	121	66	72	18

**Capacity Allocation
Lancaster**

		Average Flow	Connections	Per Connection	Design Capacity	Remaining Capacity	Remaining Connections	Pre Approved Connections	Available Capacity
2018	Water	558	477	1.17	1440	882	754	0	754
		Maximum Flow							
		796	477	1.67	1440	644	386	0	386
		Average Flow	Connections	Per Connection	Design Capacity	Remaining Capacity	Remaining Connections	Pre Approved Connections	Available Capacity
2018	Waste Water	878	477	1.84	1490	612	332	0	332

INFORMATION REPORT**REPORT TO:** Council of the Township of South Glengarry**MEETING DATE:** March 4, 2019**SUBJECT:** Budget - Set Date**PREPARED BY:** Lachlan McDonald, GM Corporate Services

In an effort to establish a new budget date, the following dates are proposed for the budget meeting

- March 8th - Deliver draft budget to Council
- March 22nd – Budget Meeting

March						
2019						
Set Budget Date						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8 Budget Delivery	9
10	11	12	13	14	15	16
MARCH BREAK						
17	18	19	20	21	22 Recommended Date	23
24	25	26	27	28	29	30
31						

INFORMATION REPORT



REPORT TO: Council of the Township of South Glengarry

MEETING DATE: March 4, 2019

SUBJECT: Update - Street Light LED Savings

PREPARED BY: Lachlan McDonald, GM Corporate Services

The purpose of this report is to provide Council with an update of the savings resulting from the street light LED conversion.

- Council approved the street light retrofit February 21, 2017
- The project was only for streetlights on Ontario Hydro electricity
- The payoff was expected to be 3-4 years

The project was originally funded from general reserves; however, at the Regular Meeting on October 16, 2017 it was decided to fund it as a deficit within the street light account (a book keeping exercise).

The original cost of the project was \$ 245,483.24 with Infrastructure converting more lights for an additional \$24,786.32 in 2018. Note: more lights with LED bulbs = less cost for energy.

Total cost (netting HST): **\$ 243,386.28**

The intention was to eliminate the deficit through the decrease in energy costs. Once the street light account is in surplus, the excess money will be saved for the next round of energy saving technology.

The financial position of the street light account has followed this trend:

Year End	Surplus / (Deficit)	Note
December 2016	\$ 2,367	Before Work
December 2017	\$ (141,497)	After Major Work
December 2018	\$ (83,048)	After Minor Work
December 2019 (forecast)	\$ (10,000)	
December 2020	Return to Surplus Position	

To say, the decreased costs are real.

Ministry of Finance
Office of the Minister

Ministère des Finances
Bureau du ministre



7th Floor, Frost Building South
7 Queen's Park Crescent
Toronto ON M7A 1Y7
Telephone: 416-325-0400
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7 Queen's Park Crescent
Toronto ON M7A 1Y7
Téléphone: 416-325-0400
Télécopieur: 416-325-0374

February 13, 2019

Dear Head of Council:

We are writing to provide you with an update on the 2019 Ontario Municipal Partnership Fund (OMPF).

Recognizing that we are already well into the municipal budget year, the government will be maintaining the current structure of the OMPF for 2019 as well as Transitional Assistance. This means that the program and funding will remain virtually the same as in 2018, while allowing for annual data updates and related adjustments. We heard the concerns of municipalities and that is why we are now providing the certainty they need to begin finalizing their budgets.

Ministry staff are working to finalize data updates to ensure the OMPF continues to be responsive to changing municipal circumstances as is the case under the current program. Allocation notices with funding details for each municipality, as well as supporting material, will be available in mid-March. At that time, the final 2019 funding envelope will also be announced. Consistent with prior years, Transitional Assistance will continue to gradually decline as fewer municipalities require this funding.

As we communicated previously, Ontario inherited a \$15 billion deficit. The rising cost of servicing our massive debt, if left unchecked, will imperil our hospitals, schools and other public services. We cannot allow this to happen. We continue to review government transfer payments, including the OMPF, as we work to put our province back on a sustainable and responsible fiscal path.

In the coming months, we will continue to consult with municipalities to ensure the OMPF program is sustainable and focused on the Northern and rural municipalities that need this funding the most. As we noted in December, the OMPF will be reviewed. For this reason, we are committed to announcing 2020 allocations well in advance of the municipal budget year so that municipalities have appropriate time to plan.

.../cont'd

We respect our municipal partners and remain committed to listening and working together constructively to find smarter and more efficient ways to make life better for our communities.

Sincerely,

Original Signed by

Vic Fedeli
Minister of Finance

c: The Honourable Steve Clark, Minister, Municipal Affairs and Housing
Jamie McGarvey, President, Association of Municipalities of Ontario

BONSPIEL

March 23, 2019

Alexandria Curling Club
Alexandria, ON

\$30.00 per curler - \$120.00 per team
Includes- Curling-Lunch-Prizes-Supper

2 Games - 1 six end game & 1 four end game
Deadline for Entries - March 15, 2019

Live Music - Fridge Full of Empties

For more information contact:

Helen Thomson
26 Pitt Street, Cornwall, ON
P: 613-932-1515 x203
E: hthomson@sdgcounties.ca

Team Name: _____

Team Contact: _____

Team Members: Skip _____

1st _____

2nd _____

3rd _____

All Cheques payable to:
Jamie MacDonald



Council News

United Counties of Stormont, Dundas and Glengarry

2019 Budget

SDG Council's 2019 budget deliberations were held on February 19 & 20th and concluded with a small reduction in property taxes. The average residential property's assessment will increase to \$215,900, but will pay \$3. less in County taxes than in 2018. Virtually maintaining the same level of taxes was achieved, with many road projects and new initiatives being accomplished in 2019!

Delegations

Representatives from the City of Cornwall presented draft budgets for 2019 for Ontario Works, Child Care services, Social Housing, Glen Stor Dun Lodge, and Paramedic Services.

Lesley Thompson, Community Futures Development Corporation and Martha Woods, Eastern Ontario Training Board, presented information on the Cornwall Innovation Centre with budget request for 2019 of \$50,000.

David Anderson, 4Roads Management Services presented information on the four year resurfacing plan for SDG Roads and asset management plan report.

By-laws

By-law No. 5184 - to appoint Rebecca Russell, Director of Financial Services/Treasurer, effective April 1st, 2019.

By-law No. 5185 - to adopt, confirm and ratify

Tenders

Diesel Cab & Chassis - Tallman Truck Centre—\$139,493.96
One Plow & Spreader - Gin-Cor Industries—\$137,940.00

Resolution - Highway 138

Council passed resolution concerning Highway 138 requesting the Ministry of Transportation to prioritize the findings of the Class EA and fund the detailed design for specific improvements to Highway 138 within the next provincial budget and further commit to the development of an implementation plan to ensure the recommended improvements are completed in the near future.

Key Information

CAO Simpson provided report on the 2019 ROMA Conference including Eastern Ontario Wardens' Caucus meetings and ministerial delegations held during the conference.

Director of Financial Services/Treasurer provided information on audit questions, and Director of Library Services provided overview of the recent Ontario Library Association Super Conference attended by herself and Vice Chair of the Board.

February, 2019

County Strategic Priorities:

- Preserve & enhance historical, cultural, tourism & recreational features to maintain quality of life
- Plan for economic development
- Inventory of infrastructure
- Greater local government coordination in delivery of services

Upcoming Events:

Council Meeting—
March 18, 2019

Warden's Curling
March 23, 2019

United Counties of SDG
 26 Pitt Street
 Cornwall, ON K6J 3P2
 P: 613.932.1515
 F: 613.936.2913
 W: www.sdgcounties.ca

Disclaimer

This newsletter is provided for information only and is not considered an official Council document. For complete motions and reports please contact the County Clerk.

Helen Thomson
 County Clerk
 613-932-1515 x 203
hthomson@SDGcounties.ca



Subject: Township of South Stormont Council Resolution - Provincial Review of OMPF

In light of the review of the Ontario Municipal Partnership Fund (OMPF) announced by the Provincial government, the Council of the Township of South Stormont passed the following resolution at its meeting of February 20, 2019:

Resolution Number: 047/2019

Moved by: Deputy Mayor Smith Seconded by: Councillor Guindon

Whereas the Provincial government announced it was conducting a review of the Ontario Municipal Partnership Fund (OMPF), which provides annual funding allotments to municipal governments to help offset operating and capital costs;

And whereas Municipalities were further advised that the overall spending envelope for the program would decrease having a significant impact on future budgets and how funds are raised by Municipalities as funding will be reduced by an unspecified amount;

And whereas if allocations to municipalities are reduced, Councils will need to compensate with property tax increases or local service reductions;

And whereas, the 2018 South Stormont allocation was **\$821,700**, which is equivalent to **14%** of the Township's municipal property tax revenue;

And whereas, a 14% increase in the municipal property tax rate would increase the municipal component of property taxes paid for an average household by **\$129 per year**;

And whereas the Township of South Stormont prides itself on efficient and value for money practices every day;

Now therefore be it resolved that although an interim payment has been received, Council of the Township of South Stormont expresses grave concern with the potential reduction and/or loss of the OMPF allotment in future years;

And further, Council petitions the Provincial government to complete the OMPF review in an expeditious manner as future financial consideration ensures municipal sustainability;

And furthermore, that this resolution be circulated to the Premier, Ministers of Finance, Municipal Affairs and Housing, our local MPP and all Ontario municipalities for their endorsement and support.

CARRIED

Your endorsement and support of this resolution would be appreciated.



United Counties of
Stormont, Dundas & Glengarry

RESOLUTION

MOVED BY

[Signature]
Warden

RESOLUTION NO 2019-24

SECONDED BY

[Signature]
Warden

DATE February 19, 2019

Whereas Hwy. 138, between Hwy. 401 and Hwy. 417 is an important provincial corridor connecting the US, Hwy. 401 and Hwy. 417; and

Whereas Hwy. 138 has been the subject of several reviews over the years; and

Whereas many necessary improvements have yet to be undertaken; and

Whereas the Ministry of Transportation completed the Preliminary Design and Class EA Study for Hwy. 138 in 2017, the purpose of the study being:

- Construction of carpooling lots;
- Intersection improvements at County Road 44 (Headline Road);
- Intersection improvements at County Road 18
- Construction of passing lanes at various locations
- Other intersection and traffic safety improvements

Now therefore the United Counties of Stormont, Dundas and Glengarry requests that the Ministry prioritize the findings of the Class EA and fund the detailed design for these specific improvements within the next provincial budget and commit to the development of an implementation plan to ensure that the recommended improvements are completed in the near future.

☒ CARRIED

☐ DEFEATED

☐ DEFERRED

[Signature]

WARDEN

Recorded Vote:

Councillor Armstrong	_____
Councillor Byvelds	_____
Councillor Fraser	_____
Councillor Gardner	_____
Councillor Landry	_____
Councillor MacDonald	_____
Councillor McGillis	_____
Councillor Prevost	_____
Councillor Smith	_____
Councillor Warden	_____
Councillor Wert	_____
Councillor Williams	_____

February 21st, 2019

Via Regular Mail & Email

Doug Brewer
Director of Policy
Ministry of Municipal Affairs
17th Floor, 777 Bay Street
Toronto, Ontario M5G 2E5

Angela Morgan, CMO, AOMC
President
AMCTO
2680 Skymark Avenue
Mississauga, ON L4W 5L6

Carla Y. Nell
Vice President, Municipal and Stakeholder
Relations
Municipal Property Assessment Corporation
1340 Pickering Parkway, Suite 101
Pickering, ON L1V 0C4

Stephane Perrault
Chief Electoral Officer of Canada
Elections Canada
30 Victoria Street
Gatineau, Quebec
K1A 0M6

Minister's Chief of Staff
Ministry of Finance
Frost Building South, 7th Floor
7 Queen's Park Crescent
Toronto, ON M7A 1Y7

Greg Essensa
Chief Electoral Office of Ontario
Elections Ontario
51 Rolark Drive
Toronto, ON M1R 3B

RE: Maintaining the Voters' List for Municipal Elections

Please be advised that the Council of the Township of Lake of Bays at its meeting held on February 19th, 2019 passed the following resolution:

"Resolution #7(a)/02/19/19

Councillor Tapley and Councillor Godard

BE IT RESOLVED THAT the Council of the Corporation of the Township of Lake of Bays receives the resolutions and correspondence from the Town of Mono, Town of Shelburne, City of Hamilton, Town of Kearney and Township of South Frontenac regarding the Voters' List for Municipal Elections.

AND THAT Council endorses and supports the re-establishment of the multi-stakeholder working group between the Ministry of Municipal Affairs, Ministry of Finance, AMCTO, MPAC and Elections Ontario in exploring and identifying ways to create and maintain the Voters' List for Municipal Elections.

AND FURTHER THAT this resolution be circulated to all Ontario Municipalities for their consideration and support.

Carried."

...2

Trusting this is satisfactory for your purposes.

Sincerely,



Carrie Sykes, *Dipl. M.A., CMO*
Director of Corporate Services/Clerk

CS/ec

cc: all Ontario municipalities

Encl.

UNFINISHED BUSINESS REPORT
Presented to Council March 4, 2019

No.	Item	Department	Date Added	Current Status <i>(as of February 27, 2019)</i>	Expected Completion
1.	Fairview Rd Extension	Infrastructure (Ewen)	Jan 2016	-Will look at options and report back this spring.	Spring 2019
2.	Docks on Township Property	Infrastructure (Ewen)	Jan 2016	-Report received by Council on January 21 st . -File transferred to Infrastructure Department for follow up.	TBD
3.	Fire Protection Ponds	Infrastructure (Ewen)	May 2016	-Consultant working on design for well water source at Richmond Road. -No update for Midway Pump House.	Spring 2019
4.	Municipal Servicing from City of Cornwall	Infrastructure (Ewen)	May 2016	-Letter sent to Administration in response to Draft Agreement.	Spring 2019
5.	Private Roads – Develop a working document for private roads	Infrastructure (Ewen)	Feb 2017	-Will review this item and develop a document this year.	2019
6.	Glen Walter Surplus Lots	Infrastructure (Ewen)	May 2018	-RFP for Realtor Services awarded at January 21 st Meeting.	Winter 2019
7.	Williamstown Garage & Fire Hall	Infrastructure Fire (Ewen/Dave)	May 2018	-Design for Airport Road Facility ongoing -Design for Williamstown Fire Hall completed -Tenders to be issued this spring	2019
8.	Parking Issues - Village of Lancaster	Community Services (Shauna)	May 2018 (updated Sept 2018)	-Options presented to Council will be implemented in the Spring.	Spring 2019
9.	Lancaster Fire Hall Generator Purchase	Fire Services (Dave)	December 2018	-To be included in 2019 budget.	Winter/Spring 2019

