



**The Corporation of the Municipality of Wawa  
Staff Monthly Report**

**Office of Infrastructure Services**

<b>Prepared For: Corporate Planning Committee Meeting</b>	<b>Report No.: CS 2017-06</b>
<b>Agenda Date: June 20, 2017</b>	<b>File No.: 9.40.4</b>

**Preamble**

The following report is based on items concerning the Municipality of Wawa that have been directed by the Infrastructure Services Department. This information is for the months of April and May 2017.

**Spring Operations**

Our winter operations ended in April, returning to a normal work schedule of Monday to Friday 7:30 a.m. to 4:00 p.m.


Throughout April our spring operations are underway to clean sand and debris from sidewalks and streets, removal of winter signs and instalment of spring/summer signs. IS Department has been clearing the ditches to ensure water is draining and culverts are flowing. Grader operators have been working on the gravel roads and preparations are being made to add more material where required on the roads and shoulders, including patching of asphalted roadways.

During May the IS department continues to complete maintenance tasks and prepare for summer months. Some items that have been scheduled or completed consist of: line painting, calcium chloride for gravel roads, asphalt patching of pot holes, cutting of grass, setting up garbage bins and benches, cleaning streets and boulevards of debris, power washing exterior of Municipal buildings and sweeping of parking lots.

**Water & Sewer**

**THM**

The water & sewer staff continues to monitor the THM levels and are following the recommendations from the report by Kresin Engineering to decrease chlorine levels at a slow pace. The most recent result of THMs for April was 84.4 ug/L.

<b>Respectfully Submitted By:</b> 	<b>Prepared By:</b> <b>Cory Stainthorpe</b> <b>Director of Infrastructure Services</b>
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The test that was taken at the Mission Tower has recorded the highest THM readings due to the amount of time water stays in the distribution system. Adding the dechlorination reservoir that is part of IS 2017 Capital projects will assist with lowering the THM results from the water tower by flushing the system. A tracking spread sheet is being completed on a regular basis with certain areas of interest chosen for regular scheduled sampling (WTP, Hospital, 3 Maple, IS building, MMCC, Davidson Fuel's, Mission Water Tower and Marina). The samples are taken during the first week of each month at similar time, information such as date, temperature, location, flow, chlorine residual, THM (ug/l) and additional comments. The spread sheet will assist with further evaluating and determining causes of increases/decreases in THM results.

### **Water Meters**

The updated list sent to water & sewer staff to complete from Heather Rainville, Revenue Associate, has been completed. Currently the IS Department is waiting for further information on the water meters study and will be sent further updates from Heather if required to investigate or repair/install is required.

### **Sewage Lagoons Cell 2 Sampling**

Due to the snow melt, the sewage lagoon sampling from cell 2 can continue as required. During the months when samples were unable to be obtained (February, March), the water & sewer staff logged all information and reported it to the MOECC. The MOECC scheduled a site visit for a visual inspection. There were no issues observed and the water & sewer department continues to sample O2 as required from our ECA.

### **Hydrant Flushing**

The water & sewer staff scheduled hydrant flushing to begin in early May; a notice went out in April to the public. All flushing has been completed.

### **Water By-Pass Turn Off**

Water by-passes will be turned off during the first week of May; a notice went out to the public in April that all water by-passes must be turned off immediately.

## **Landfill**

### **Environmental Compliance Approval**

The MOECC has provided the Municipality of Wawa with the amendment to Environmental Compliance Approval A7266501 with an extension date to accept and deposit waste at the Landfill Site until May 30, 2018. (*Refer to attachment # 3*).

### Dealing With Bears in the Community

The Municipality has been coordinating with the OPP and MNR throughout April to discuss bear calls and concerns within the Municipality and surrounding area. Some of the concerns were: who to call, when to call, how to prevent bears from entering your property, what to do if you come in contact with a bear or see a bear nearby.

The MNR, OPP and Municipality exchanged discussion on experiences, ideas and information. The OPP is holding a press release to explain to the community how to react, how to prevent and who to contact in emergency encounters and non-emergency encounters.

The OPP will have an open house which will allow for the community to ask questions and receive answers and gather more information on the topic. The MNR and the Municipality will contribute. The Municipality of Wawa will send a media release to the public on the Municipal garbage by-law and how to prevent disruption of garbage from animals at the same time the OPP sends a press release.

### Airport

The Airport has been busy during April, with arrival and transportation of the evacuees as well as our regular flight schedules and maintenance. The airport attendants cleared drains to allow water flow and runoff ensuring no issues while snow melted, runway lights were replaced as part of spring maintenance once snow had melted and regular cleaning of the grounds took place.

### Buildings

Cleaning of the mould and mildew on the exterior of the Water Treatment Plant began mid-April. The progress was put on hold due to the weather conditions (rain, some snow) and arrival of the evacuees. Cleaning the exterior of the WTP and Town Hall are scheduled to continue and adding a solution for preventing build-up of mould and mildew. Expected completion time is early June.

### Cemetery

The Cemetery remained closed through April due to weather conditions and maintenance required to the road entering the Cemetery. IS Department opened the Cemetery in early May. IS Department has been working with IT/GIS Department gathering information and marking lots with GPS.

## **Bridges & Culverts**

The IS Department has been clearing debris from ditches and culverts to ensure water is flowing without issue.

## **Projects**

### **Off-Street Lights**

All of the fixtures have been installed. The Airport Flood had failed when originally installed and a new fixture driver was provided to the contractor 85 Electric from RealTerm and has been installed. Warranty for this project is set to begin May 1, 2017 for 1 year period. After the 1 year warranty it will be a manufacturer warranty for 10 years from manufactured date located on the fixture.

### **Airport Catwalk**

Lajoie Bros. have completed the install of the catwalk and ladder on the airport fuel tank in April 2017. The feedback from the airport attendants is positive and all measures have been taken to ensure the safety of employees when required to take samples from the fuel tank. (*Images attachment # 1*)

### **Cemetery Betterments**

A Kifco water-reel T200S 9 HP booster pump was purchased for the cemetery maintenance. The water-reel will assist with watering the cemetery grounds. Kifco water-reel is easy to move from location to location and setup/store when not in use, the system is commonly used in baseball/football fields and farm fields. (*Images attachment #2*)

### **Fuel System for IS Department**

The IS Department has been in discussion with Lajoie Bros. on the maintenance required and process moving forward to maintain the in-ground tanks and the system. The in-ground tanks are aging and may pose an environmental threat to leaching as the system continues to age. The costs spent on repairs over the next few years is being reviewed. The system for tracking fuel is out dated and since installed, fleet has changed. A review of the tanks, fuel tracking system and converting from in-ground storage tanks to above-ground storage tanks is currently being reviewed.

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**Pinewood and Government**

Kresin Engineering surveyed Pinewood Drive and lower Government Road in the end of May to create a design for proper water runoff. The information is currently being reviewed and a tender is being created for the project. No date is scheduled for the project to commence, once known a notice will be released to the businesses and public.

**Reservoir Dechlorination Tank**

Kresin Engineering completed a Tender package that went for advertisement mid-May and the Tender is scheduled to close on June 9, 2017 at 3:00 p.m. A review will take place once all Tenderers' information is received. Kresin Engineering will complete a recommendation report that will be presented to Council. A notice will be released to the public in June after the Tender is awarded and dates specified.

**Water Tower Restoration - Interior Lining Replacement**

A Request for Proposal has been completed and will be advertised in early June. The project is scheduled to be advertised after the Reservoir Dechlorination Tank Tender closes to ensure projects do not conflict with one another. A notice will be released to the public in July, after the RFP is closed and project timeline is scheduled.

**New Street Lights**

A Dark Study is being scheduled with a contractor to review the Municipality of Wawa, Pinewood Drive/Industrial and Michipicoten Village. The study will assist with determining the locations that require more light for safety of pedestrians and motor vehicles.

**Landfill**

Kresin Engineering has been in discussions with the contractor for installing a source monitoring well at the Landfill and are arranging timeline with another project that the contractor has in the area. Work is estimated to start during the month of June 2017.

An open house will occur in July 2017. Details are currently being worked on and Kresin Engineering will be present to answer any questions related to the Landfill expansion and process.

A surface water impact assessment including determination of potential mixing zones is to be completed prior to December 2017 along with a hydrogeological assessment of the existing and proposed expanded site.

**Attachments**

Attachment # 1: Airport fuel tank catwalk and ladder install complete.

Attachment # 2: Kifco Water-Reel T200S

Attachment # 4: Landfill Site Amended ECA

