



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

Office of Infrastructure Services

Prepared For: Corporate Planning Committee Meeting	Report No.: CS 2017-04
Agenda Date: March 14, 2017	File No.: 9.40.4

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 month of February 2017.

Winter Operations

Our winter operations continue as usual, ensuring 24/7 coverage between shift work and on call for snow removal and sanding.

During the month of February, conditions of warm weather caused snow to melt and rain creating icy conditions that were controlled by sanding and clearing catch basins for water to drain.

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 and lower the holding tanks to assist with water flow. At this time there are no further updates.

Sewage Lagoons

February 3, 2017 a letter was sent to the MOECC regarding dissolved oxygen sampling on cell # 2 at the sewage lagoons. The water & sewer staff had raised concerns with sampling from cell # 2 due to the Geotubes located on the bank, snow drifts accumulating near the Geotubes creates a steep angle and slipping hazard.

Respectfully Submitted By:

Prepared By:

**Cory Stainthorpe
Director of Infrastructure Services**

The letter written to the MOECC was to address the health and safety concerns while including alternate methods to continue following the ECA requirements. A weekly log book was created to log the time, date, colour, odour, weather, air quality, temperature and any other changes noticed from cell # 2.

On February 8, 2017 the Municipality received a letter from the MOECC acknowledging the health and safety concerns and understanding due to the conditions sampling will not take place until the area can be accessed safely (estimated late April).

In the interim until sampling for O2 (amount of dissolved oxygen) is able to safely resume the Municipality must complete the following:

1. Weekly assessments (log book)
2. Notification to Water inspector of any unusual conditions
3. Continued discussions to evaluate other options for gathering samples
4. Regular updates to MOECC regarding timeframe for resuming O2 sampling

To view the full report, please refer to attachment # 1.

Landfill

Kresin Engineering is finalizing the annual report for landfill and it will be complete and sent to MOECC by the end of March.

Airport

Camera

Optik Technologies & System Solutions completed installing the camera at the airport and worked on connecting it to the computers at the airport for review when required.

Buildings

There is nothing to report at this time.

Cemetery

Signs were placed at the cemetery across from the MMCC with an image of a snow machine inside a red circle and a red line going through the image, the signs are located below the verbal signs and we are hoping they will bring more attention than previous signs have.

Bridges & Culverts

There is nothing to report at this time.

Conference

Ontario Good Roads Association Conference

OGRA held its 2017 conference at the Fairmont Royal York from February 26 to March 1.

OGRA organizes and hosts the annual conference at the historic Royal York Hotel in downtown Toronto. Approximately 2,200 municipal leaders from across Canada and leading thinkers from around the world come together to discuss topics of local, provincial, national, and international importance. The goal is to invigorate public debate about how Ontario's municipalities will respond to emergent challenges and opportunities.

During the 2017 conference many discussions and presentations took place. Some of the discussions and presentations I took part in were:

- Municipal Project Bundling – Discussion on small municipalities and bundling assets into one larger tender for overall savings and a higher percent of approval rate when applying for grants or funding.
- Ontario Community Infrastructure Fund – Build and repair critical infrastructure and improve asset management planning in northern communities. Expansions of funds, recent updates, application process and delivering improvements were the main topics discussed.
- Roadside Safety Infrastructure – Discussion on guide rails, lamp posts, signs and how it assists in road user safety. Equipment and upgrades continue to be developed to meet standards and maximize road user safety.
- Incorporating Strategic Level of Service into your AMP – Discussions on level of service asset management plans provide and how to incorporate it into planning and processes and what the benefits have been from doing so. An overview on how to create an asset management plan and specific areas considered when creating an asset management plan and risk assessment.
- Self-Driving Vehicles – Autonomous Vehicles (AVs) are coming faster than anticipated, the discussion was held by members of Municipal Alliance for Connected and Autonomous Vehicles in Ontario (MACAVO). The main points of discussion during this topic were how Municipalities prepare for self-driving vehicles signs, street paint, etc. and how insurance companies will rate the vehicles or any special discounts due to majority of accidents being human error.

Concerns discussed were mostly related to northern communities, if sensors are snow covered or in white out conditions can the vehicle still operate and how the vehicle will interact while driving with other self-driving vehicles, pedestrians, bicycles and human operated vehicles.

Although there are still many unanswered questions regarding self-driving vehicles, the interest in development the automotive industry to create self-driving vehicles continues to grow.

At the conference a trade show was set up which allowed for interactions with contractors, consultants and companies providing services for Municipalities which was excellent for sharing contact information and taking part in discussions on their products or services such as water & sewer, road maintenance and construction, tracking programs, health & safety, heavy equipment, funding opportunities, software, professional consultants, lighting sources, electrical equipment, asphalt patching etc.

During discussions with companies and contractors at the trade show I noticed 80% of the businesses have not been further north than Sudbury when using products and most of the services are in southern Ontario. Although this could bring an increase in cost to supply a product to a northern community of Ontario, it could be potential to offer a pilot program in northern communities such as Wawa and provide information on how the product handles and withstands conditions of the North.

Projects

Off-Street Lights

85 Electric (contracted by Realterm for installation) has completed the installation of the fixtures and LED off-street lights that were expected to be done over the month of February. The estimated completion date remains May 31, 2017.

The areas remaining with fixtures to install are:

- Marina: 4 Deco Pendant (access issues), 4 Wall Packs @ Pavilion
- Tennis Courts: 8 Floods (access issues)

There are 12 fixtures in total remaining to be installed and they are scheduled for spring 2017 due to weather conditions.

The warranty from Realterm (1 year) will commence once the final fixture is installed (estimated May 31, 2017), after 1 year the warranty becomes a manufacture warranty only, this warranty is 10 years starting from manufacturing date of the fixture located on the information label of each fixture.

Attachments

Attachment # 1: Wawa O2 Sampling – Health and Safety Concerns response from MOECC

Ministry of the Environment and
Climate Change

Ministère de l'Environnement et de
l'Action en matière de changement
climatique



Safe Drinking Water Branch

Direction du contrôle de la qualité de
l'eau potable

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February 8, 2017

Cory Stainthorpe
Director of Infrastructure Services
Municipality of Wawa
40 Broadway Avenue
P.O. Box 500
Wawa, ON P0S 1K0

Dear Mr. Stainthorpe;

**RE: Wawa Sewage Lagoon
Dissolved Oxygen Sampling - Health and Safety Concern**

I have received your letter dated February 3, 2017, as well as the memo from the Municipality of Wawa Joint Health and Safety Committee, regarding the health and safety concerns with the current location for dissolved oxygen sampling from cell #2 of the sewage lagoon. It is understood that snow build up in the area of the Geotubes, temporarily located on the south bank of cell #2, are contributing to unsafe sampling conditions for the operators.


We acknowledge that, due to the health and safety concerns expressed, weekly sampling for dissolved oxygen will not be undertaken until late April, or until such time as the sampling location can be safely accessed. Although this is in contravention of the sampling requirements prescribed in Environmental Compliance Approval # 0752-ADXQUC, this letter will serve as documentation of the mitigating factors being experienced by the municipality, and will be taken into consideration during compliance reviews and inspection activities. In the future, please take all reasonable action to ensure that the area surrounding the lagoon cells are not obstructed by the placement of materials.

In the interim, until weekly sampling for O2 is able to safely resume, the municipality must undertake the following;

1. Weekly assessments of cell #2 conditions as outlined in the February 3rd letter. Specifically, weekly entries into the logbook for date, time, temperature, weather, odour, color, and air quality.
2. Notification to Water Inspector Stephanie Robbins of any unusual conditions noted during the weekly assessments.
3. Continued discussions to evaluate other options for gathering the required O2 samples.
4. Regular updates to Water Inspector Stephanie Robbins regarding the anticipated timeframe for resuming O2 sampling, as conditions around the lagoon improve due to weather.

Should you have any questions or concerns regarding this issue, please don't hesitate to contact either Stephanie Robbins or myself.

Regards,



Marnie Managhan
Water Compliance Supervisor
Sudbury/Sault Ste. Marie District
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