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## **York Durham Sewage System Forcemain Twinning Project Noise Exemption Request Staff Report**

Report Number: 2018-57

Department(s): Legislative Services

Author(s): Lesley Long Supervisor of Bylaw Enforcement

Meeting Date: September 17, 2018

### **Recommendations**

1. That the report titled York Durham Sewage System Forcemain Twinning Project Noise Exemption Request dated September 17, 2018 be received and,
2. That the Noise Exemption Request to allow for 24 hours per day for 7 days a week be adopted; and,
3. That the request from Regional Municipality of York for a noise exemption to perform necessary works for the York Durham Sewage System Forcemain Twinning project from January 2, 2019 until December 31, 2021, be approved; and,
4. That this approval is subject to ongoing staff supervision and community impact assessment and revocation if community impact is deemed excessive by staff or Council; and
5. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

### **Purpose**

The purpose to this report is to seek Council's approval of request for an exemption from the Noise By-law (2017-76) from the Regional Municipality of York on behalf of the Contractor in regards to the York Durham Sewage System Forcemain Twinning Project.

## Background

Starting in 2019 York Region will be starting the York Durham Sewage System (YDSS) Forcemain Twinning Project. Currently wastewater from the Town of Newmarket is conveyed to the Duffin Creek Water Pollution Control Plant (WPCP) via a forcemain system that is part of the York Durham Sewage System (YDSS). The existing YDSS forcemain system in Newmarket must be upgraded with a new second forcemain to ensure system reliability during high flow conditions and to provide system redundancy to complete necessary forcemain maintenance work.

The YDSS Forcemain Twinning Project would provide a second forcemain for both the Newmarket and Bogart Creek Sewage Pumping Stations to allow for relief to the YDSS during periods of extreme high wet weather flow. The new forcemain will help mitigate sewer surcharge and bypass to the natural environment, allow for maintenance servicing of the forcemains, and provide sufficient capacity for approved growth to 2031.

The YDSS Forcemain Twinning Project includes the following:

- A new 5.2 kilometre forcemain from the existing Newmarket Sewage Pumping Station to the existing gravity sewer that discharges to the Aurora Sewage Pumping Station.
- A new 0.5 kilometre forcemain from the existing Bogart Creek Sewage Pumping Station to the new Newmarket forcemain.
- Alterations to the Newmarket and Bogart Creek Sewage Pumping Stations to facilitate
- Connection of the new forcemains, including electrical modifications to the Newmarket Sewage Pumping Station.

The new second forcemain routes in Newmarket would generally parallel the existing forcemains, with slight route alterations as required for constructability reasons and to minimize potential impacts to the natural environment and existing infrastructure and utilities.

Most of the new forcemain will be constructed using microtunnelling which is a trenchless technique used to construct small to medium sized tunnels. There will be construction staging areas along the alignment that will be used to support construction of the microtunnel drives. The new Bogart forcemain along Pearson Street will be constructed primarily using open cut construction.

Attachment "A" outlines details of the Noise and Vibration Impact Assessment.

## **Discussion**

The Noise By-law restricts the operation of construction equipment or the conduct of any alteration or repair of any building between 8 p.m. and 7 a.m. Monday through Friday and 8 p.m. to 9 p.m. on Saturdays, Sundays and holidays.

Similar noise exemption requests have been granted by Council since January 2013.

The Region of York will communicate and notify the surrounding residents and business owners.

Given the context for the process required to be undertaken, staff recommends approval of the exemption request to the Noise By-law during the hours requested.

In accordance with the Noise By-law 2017-76, because of the length of the exemption request, Council approval is required.

## **Conclusion**

Following Council approval of the Noise Exemption:

1. Ensure the Region of York notifies the residents and business owners of the noise exemption; and
2. Notifying York Regional Police; and
3. Post the exemption of the Town's website.
4. Staff to monitor any complaints.

## **Business Plan and Strategic Plan Linkages**

The initiative relates to the Well-equipped and managed link of the Town's Community Vision-implementing policy and process that reflect sound and accountable governance.

## **Consultation**

Staff will work closely with the York Region Liaison Specialists regarding any concern with respect to noise or vibration.

## **Human Resource Considerations**

There are no human resources considerations related to this report.

## **Budget Impact**

There is no budget related to this report.

York Durham Sewage System Forcemain Twinning Project Noise Exemption Request

## **Attachments**

YDSS Noise and Vibration Impact Assessment

## **Approval**

Lisa Lyons Director Legislative Services Town Clerk

Esther Armchuk Commissioner of Corporate Services

## **Contact**

For information on this report, contact Lesley Long, Supervisor of Bylaw Enforcement at 905-953-5300 extension 2222 or via email at [llong@newmarket.ca](mailto:llong@newmarket.ca) .