

Item:



Committee of the Whole Report

DATE: Tuesday, March 05, 2019

WARD(S): 1

TITLE: REQUEST FOR CONSTRUCTION NOISE EXEMPTION – TRANS-CANADA PIPELINES INSTALLATION OF A TURBO-COMPRESSOR AT 11200 WESTON ROAD BETWEEN APRIL 2019 AND SEPTEMBER 2019

FROM:

Mary Reali, Deputy City Manager, Community Services

ACTION: DECISION

Purpose

This report is to seek Council approval of a request for a noise exemption to By-law 062-2018, as amended, for the installation of a turbo-compressor by the Applicant Trans-Canada Pipelines Ltd, at the Maple Station 130 located at 11200 Weston Road, for the period of April 1, 2019 through September 30, 2019.

Report Highlights

- A noise exemption from By-law 062-2018, as amended, is being requested for the installation of turbo-compressor at the Trans-Canada Pipeline station
- This project supports the development of the Trans-Canada Pipelines project that support the transportation of crude oil, natural gas and refined products across Canada and North America.

Recommendations

1. THAT Council adopt the recommendations as provided in Attachment 1.

Background

Legislation

The City of Vaughan's Noise Control By-law No. 062-2018, as amended, prohibits noise created from the use of "construction equipment" as defined, between the hours of 7:00 pm of one day to 7:00 am the following day and on Sundays and statutory holidays.

Any noise created by construction activity during these prescribed hours requires an exemption to the provisions of the By-law. Exemption requests for construction noise are governed by the By-law provisions of Section 20, Exemption – Construction Equipment.

Requested work period

The Applicant, TransCanada Pipelines Limited, is requesting a work period of April 1, 2019 through September 30, 2019, to work between 7:00 pm to 7:00 am, except on Sundays and statutory holidays, at the Maple Station 130 building at 11200 Weston Road, southwest of Kirby Road and Weston Road.

The intent of the work is to continue the expansion of the Trans-Canada Pipelines project, that facilitates the transportation of crude oil, natural gas and refined products across North America. This noise exemption is requested for the installation of a "turbo-compressor", a component of the pipeline required to facilitate the movement of materials. The turbo-compressor will be installed within the station. The Applicant is requesting for the work to be completed overnight, as the installation requires overhead work which requires dayshift workers on the main floors to be absent for safety reasons.

Stakeholder engagement

The Applicant will distribute communication notices with details of the project to all residents and businesses within 60 metres of the project site at least two weeks prior to the start of the project.

Previous Reports/Authority

Noise Control By-law: [062-2018](#)

Analysis and Options

This project supports the development of the TransCanada Pipeline.

Noise Mitigation

The City and construction supervisor will comply with standard noise exemption mitigation measures, including that they minimize idling of construction vehicles, avoid unnecessary revving of engines, use of airbrakes, as well as the requirement to maintain equipment in good working order (including the use of muffling devices) to minimize noise impacts.

As detailed in the letter, the majority of the required work will take place in within the sound-attenuated building, which is expected to have minimal sound impact to the surrounding area. The required outside work, such as staging and moving material, will

largely be scheduled as early as possible, to minimize disruption. In addition to City standards, the Applicant will utilize noise avoidance measures outlined in the TransCanada's Environmental Protection Plan.

A summary of noise mitigation measures are as follows:

- moving materials outside the building will be conducted at the beginning of the shift;
- compressors, welding units and/or water pumps will be enclosed if used outside the building;
- any lifting with cranes outside the building will be completed by 9 pm;
- idling of construction vehicles will be minimized;
- use of personnel vehicles will be limited to access to and from site;
- use of vehicles with safety backup alarms will be limited and reversing will be restricted to the extent possible;
- the number of workers on site will be limited;
- unnecessary revving of engines and unnecessary use of airbrakes will be avoided;
- equipment will be maintained in good working order (including muffling devices and noise attenuation where appropriate); and
- lights will be directed away from surrounding residents to the extent possible.

Financial Impact

Adoption of this noise exemption has no economic impact for the City.

Broader Regional Impacts/Considerations

This project supports the development of the Trans-Canada Pipelines project that support the transportation of crude oil, natural gas and refined products across Canada and North America.

Conclusion

Staff believe that the noise exemption for this project should be endorsed by Council pursuant to the recommendations set out in this report.

For more information, please contact: Gus Michaels, Director and Chief Licensing Officer, By-law & Compliance, Licensing & Permit Services, ext. 8735.

Attachments

1. Recommendations
2. Project map
3. Letter to residents and businesses

Prepared by

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