

September 12, 2025

Town of Orangeville
275 Alder Street
Orangeville, Ontario L9W 5H6

Tel: 519-940-9092 Ext. 4107
Email: ccosgrove@orangeville.ca

Attn: Charles Cosgrove, Manager of Facilities and Parks, Community Service

**Re: Excess Soil Investigation Summary for the property addressed as
10 Commerce Road, Orangeville, Ontario**

Dear Mr. Cosgrove,

Fisher Engineering Limited (Fisher) was retained by the Town of Orangeville (the "Client") to conduct an Excess Soil Investigation of the property located at 10 Commerce Road, Orangeville, Ontario, herein referred to as the "Site". The investigation was conducted to determine the suitable options for handling of excess soil to be generated from the construction of a fire hall.

The current investigation was carried out in accordance with the requirements and amendments of Ontario Regulation (O. Reg.) 153/04 (Records of Site Condition – Part XV.1 of the Environmental Protection Act, EPA) and the Ministry of the Environment (MOE, currently Ministry of the Environment, Conservation and Parks, MECP) document *Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*, April 15, 2011, hereinafter referred to as the "MECP Standards", as well as O. Reg. 406/19 (On-Site and Excess Soil Management) made under the EPA, and the MECP document *Rules for Soil Management and Excess Soil Quality Standards*, herein referred to as the "Soil Rules".

In September 2025, Fisher has conducted soil sampling from the Site for laboratory analysis of Metals, Petroleum Hydrocarbon (PHC) Fractions 1 to 4 (F1-F4), Benzene, Toluene, Ethylbenzene and Xylenes (collectively "BTEX"), Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), pH and/or Leachate. For evaluation of the soil quality for potential disposal and reuse purposes, the laboratory analytical results were compared to the standards referenced in the MECP Standards and Soil Rules documents as follows:

- Table 2.1 Full Depth Excess Soil Quality Standards (ESQS) in a Potable Ground Water Condition for Residential/Parkland/Institutional (R/P/I) Property Use, included in Part II (Appendix 1) of the MECP Soil Rules document, hereinafter referred to as the "**MECP Table 2.1 R/P/I ESQS**";
- Table 3.1 ESQS in a Non-potable Ground Water Condition for R/P/I Property Use, included in Part II (Appendix 1) of the MECP Soil Rules document, hereinafter referred to as the "**MECP Table 3.1 R/P/I ESQS**";

- Table 2.1 Leachate Screening Levels (LSL) for Full Depth Excess Soil in a Potable Ground Water Condition for R/P/I Property Use, included in Part II (Appendix 2) of the MECP Soil Rules document, hereinafter referred to as the “**MECP Table 2.1 R/P/I LSL**”; and
- Table 3.1 LSL for Full Depth Excess Soil in a Non-potable Ground Water Condition for R/P/I Property Use, included in Part II (Appendix 2) of the MECP Soil Rules document, hereinafter referred to as the “**MECP Table 3.1 R/P/I LSL**”.

All analyzed soil samples recovered from the current investigation at the Site were in compliance with the **MECP Table 2.1 R/P/I ESQS** and **MECP Table 3.1 R/P/I ESQS** for all tested parameters. All soil samples submitted for leachate analysis were also in compliance with the **MECP Tables 2.1 R/P/I LSL** and **MECP Table 3.1 LSL** for all tested parameters.

Based on the above, the soil to be excavated from the Site can be removed off-site for beneficial reuse at receiving site where the MECP Table 2 R/P/I property use (in a Potable Ground Water Condition) or MECP Table 3 R/P/I property use (in a Non-Potable Ground Water Condition) is applicable.

We trust that the information provided in this letter meets your current requirements. If you have any questions or concerns, please do not hesitate to contact the undersigned.

Regards,

Fisher Engineering Limited

A handwritten signature in blue ink, appearing to read 'Bernard Chan', is positioned above the printed name and title.

Bernard Chan, C. Chem., P. Eng.
Senior Project Manager
bernard@fishereng.com