



Engtec Consulting Inc.
1-2447 Anson Drive, Mississauga
Ontario, L5S 1G1
Tel: (905) 856-2988
Fax: (905) 856-2989

Reference: ET25-1438B

April 14, 2025

Angela Ng
GEC Architecture
430-179 John Street,
Toronto, ON
M5T 1X4

Email: Angela.ng@gecarchitecture.com

Dear Angela,

Summary of Salt-Impacted and Contaminated Soils – York Region North Road Operations Centre at 3525 Baseline Road, Georgina, Ontario.

Engtec Consulting Inc. (Engtec) was retained by GEC Architecture on behalf of The Regional Municipality of York ("the Client"), to provide quantities of excess soil of various quality, based on excess soil investigations conducted at the York Region North Road Operations Centre at 3525 Baseline Road, Georgina, Ontario (Site).

1 Soil Assessment Standards:

The soil volumes and types were surveyed and assessed by Planmac Engineering Inc., with other volumes estimated based on site-specific conditions by Engtec. The soil analysis results were compared to the Excess Soil Condition Standards outlined in the following tables (various tables were compared as destination site is unknown at this stage of the project):

- Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition (Volume-independent) for Industrial/Commercial/Community Property Use (Table 2.1 ICC ESQS); and,
- Table 3.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition (Volume-independent) for Industrial/Commercial/Community Property Use (Table 3.1 ICC ESQS).

As part of the ongoing soil management assessment at the Site, we have categorized the excavated soils based on their contamination levels and potential reuse options.

2 Summary of Soil Categories and Volumes:

This table below categorizes the total volumes of each type of soil and provides an overview of the areas and proposed actions for handling them accordingly. The excess volumes are based on comparisons to both Table 2.1 ICC ESQS and Table 3.1 ICC ESQS (there is no difference in quantities between the comparisons to these tables).

Soil Category	Volume (m ³)	Areas/Description	Recommendations
Excess Soil with no impacts	8,700 m ³	A. Pond Area - Clean Soil to be re- used in berm (5,600 m ³). B. Existing Soil Stockpile (3,100 m ³).	Can be reused in berm construction.
Salt-Impacted Excess Soil and Excess Soil with no impacts that goes off-Site	Up to 5,400 m ³	C. Excess Soil with no impacts to be sent off-site (500 m ³) D. Pond Area - Salt-Impacted Soil (620 m ³). E. Existing Building and Building Expansion (1,800 m ³). F. Paved Area - Tested Soil (880 m ³). G. New Pavement Area Excavation – Not tested but assumed to be Salt-Impacted (1,600 m ³)	Salt impacted excess soils and excess soil with no impacts which is to be sent off-Site
PHC Contaminated Soil	Up to 900 m ³	H. Gravel Area on Southwest Portion of Site (900 m ³).	The PHC impacts are likely due to the presence of recycled aggregate in the gravel area, and disposal off-site will be considered as contaminated material.

We trust that this submission meets your requirements. Should you have any questions, please don't hesitate to contact this office.

Yours truly,



Pranav Dave, M.Eng.,
 Environmental Specialist
 Engtec Consulting Inc.



Hammad Din, P. Eng.
 Manager, Environmental Group
 Engtec Consulting Inc.