

December 22, 2021
File: 160900933 Task 238

Attention: Amanda Warren, Planner
County of Peterborough
470 Water Street
Peterborough, ON K9H 3M3
VIA EMAIL: AWarren@ptbocounty.ca

Dear Amanda,

Reference: County No: 15OP-21013
Peer Review of an Aggregate Resource Assessment
162 Douro 8th Line, Douro-Dummer, Ontario

Stantec Consulting Ltd. (Stantec) was retained by Peterborough County (the County) to peer review an Aggregate Resource Assessment of the property located at 162 Douro 8th Line in Douro-Dummer, Ontario (the Site) completed by Cambium Inc. (Cambium, 2020). The report provided by Cambium was dated October 13, 2020. The purpose of the assessment was to address the County's Official Plan (OP) Section 6.2.13.2, which stipulates that if known aggregate resources are available on the Site, there is a need to demonstrate that:

- The resource use would not be feasible; or
- The proposed land use or development serves a greater long-term public interest; and
- Issues of public health, public safety and environmental impact are addressed.

Cambium (2020) focused on the feasibility of developing the Site for aggregate extraction.

This letter has been prepared to provide comments to Peterborough County on the Aggregate Resource Assessment. Stantec has conducted the peer review in keeping with the standard practice for peer reviews established under our retainer with Peterborough County. We have formed our opinions and made our comments based on a review of the documents as presented. Stantec has not conducted a site visit nor have we replicated the background data collection or analyses that are reported on in the Aggregate Resource Assessment. The summary of background data is taken at face value as presented by the Authors. Where assumptions were required to interpret the results of the Aggregate Resource Assessment, we have stated our assumptions.

The Site is approximately 13.3 ha in size and is bounded by forested land to the north and south, residential properties to the east along Douro 8th Line and a wetland to the west. There is an existing residence currently on the Site.

In support of the assessment, Cambium excavated 24 test pits across the Site to assess soil conditions. Grain size analysis were completed on select soil samples. In addition, a review of publicly available information was also completed.

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The assessment concluded that the Site would not be feasible for aggregate extraction, as follows:

- Aggregate quality was poor in approximately 40% of the test pits, with silt and clay content exceeding 5%.
- A shallow deposit of coarse-grained materials was found to be underlain by finer-grained materials, suggesting that the depth of the aggregate material was limited.
- Provincially significant wetland complexes both on and adjacent to the Site would likely reduce the area available for possible aggregate extraction.
- Constraint mapping suggested that only about 4.5 ha of the 13.3 ha property would be suitable for potential aggregate extraction, which is a relatively small area to license.

Stantec is in agreement with Cambium's assessment that aggregate extraction is not feasible on the Site.

This review of the Aggregate Resource Assessment prepared by Cambium has been prepared as per the Contract between Peterborough County and Stantec Consulting Ltd. Should you have any questions or concerns regarding the information detailed herein, please do not hesitate to contact the undersigned.

Sincerely,

Stantec Consulting Ltd.

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