



NORTHERN

Applied Sciences Inc.

May 25, 2023

Julie Neves
Stop Petersburg Sand Pit Inc.



**RE: Review of Air Quality and Noise Impacts
ZCA-06-22 Petersburg Pit
NAPSCI Ref. 23-037**

Dear Ms. Neves:

Northern Applied Sciences Inc. (NAPSCI) has prepared this letter to present its opinion following a preliminary review of information relating to the application for zoning change ZCA-06-22 for the proposed gravel pit at 1856 Snyder's Road East, Petersburg, ON.

In attending local residential meetings, speaking to residents, listening to issues raised, reviewing their letters and photographic observations, it is clear that some members of the community have experienced adverse air quality and noise impacts from existing aggregate pit operations in the area.

In review of the air quality and noise assessments prepared by the proponent's consultants, we suspect that the concerns of the residents were not known or otherwise considered.

In order to objectively quantify the extent of impacts from the existing pits, we recommend that the proponent:

1. Review the existing issues raised by the residents
2. Conduct detailed ambient air monitoring for dust and silica at select locations of concern
3. Conduct detailed noise monitoring at select locations of concern
4. Compare results to the appropriate criteria and confirm if there are any issues requiring further attention, management, or mitigation

Without these steps, we have concerns that the existing reports underestimate air and noise impacts and do not address actual conditions experienced by nearby residents. The addition of a new aggregate operation to the area will compound existing issues, since dust, silica and noise impacts are inherently additive.

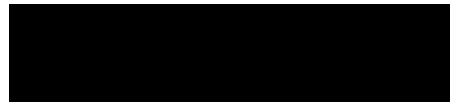
Importantly, beyond a loss of enjoyment of property for local residents, there are reasonable grounds to suspect there could be a potential for health concerns particularly with respect to silica dust and fine particulates.

It is therefore our position that further detailed investigation is warranted by the proponent and that any zoning decisions should be paused until this information is presented and peer reviewed.

Respectfully,
Northern Applied Sciences Inc.



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