

April 23, 2020

Aercoustics Project #: 17283.01

## North Kent Wind 1 LP

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CC: Allan Munro, Aercoustics  
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Subject: North Kent Wind Farm Phase 2 I-Audit - MECP Responses  
REA #5272-A9FHRL

Aercoustics Engineering Limited (Aercoustics) has been retained by North Kent Wind 1 LP to complete the acoustic immission audit requirements outlined in the Renewable Energy Approval (REA) for the North Kent Wind Farm (NKWPP). NKWPP operates under REA #5272-A9FHRL.

The following letter presents responses to the comments provided by the Ministry of the Environment, Conservation, and Parks (MECP) Approvals Branch in an email dated April 15, 2020. These comments and responses are related to the following documents:

- **Aercoustics I-Audit Report for R3408**, “North Kent Wind 1 LP – Phase 2 Acoustic Immission Audit – Part 1 of 5 – R3408”, dated February 28, 2020.
- **Aercoustics I-Audit Report for R3099**, “North Kent Wind 1 LP – Phase 2 Acoustic Immission Audit – Part 2 of 5 – R3099 V2.0”, dated February 24, 2020.
- **Aercoustics I-Audit Report for R3214**, “North Kent Wind 1 LP – Phase 2 Acoustic Immission Audit – Part 3 of 5 – R3214 V3.0”, dated February 24, 2020.
- **Aercoustics I-Audit Report for V6202**, “North Kent Wind 1 LP – Phase 2 Acoustic Immission Audit – Part 4 of 5 – V6202”, dated February 24, 2020.
- **Aercoustics I-Audit Report for R3281**, “North Kent Wind 1 LP – Phase 2 Acoustic Immission Audit – Part 5 of 5 – R3281”, dated February 25, 2020.
- Supplementary information provided in the correspondence dated February 28 and March 26, 2020

The MECP comments have been copied below, with responses immediately following each item. The following supporting documents have been included with the submission of this memo:

Exhibit A – Aerc015 R1 – Updated Report date April 23, 2020 (PDF File)

## Comments Specific to R3408

- 1) **Noise Abatement Action Plan (NAAP):** *Please confirm that the NAAP for R3408 will be submitted by no later than May 12, 2020 (60 days after MECP request).*

NKWPP will provide a NAAP to the MECP by May 12, 2020.

## Comments Specific to V6202

- 2) **Receptor V6202 at 7 m/s Wind Speed Bin:** *In lieu of Section E 5.5 (6) of the Compliance Protocol the ministry will accept adding 10 data points with a wind speed of 7 metres per second and sound level of 0 dBA in order to meet the data point requirements for the Turbine OFF data.*

As requested by the MECP, 10 data points with a wind speed of 7 m/s and sound level of 0 dBA were included in the assessment of compliance. These highly conservative datapoints were combined with the significant number of Background datapoints (20 of 30) already available in the 7 m/s wind bin which are considered representative of the impact of wind-related noise at higher wind speeds.

With the inclusion of these 10 data points, the cumulative sound impact calculated at V6202 complies with the MECP sound level limits at the 7 m/s wind bin. It should be noted that there is sufficient data in the 4, 5, and 6 m/s wind bins with better signal to noise which also demonstrates compliance.

An update to the compliance assessment has been included in the revised report and is included as an attachment. See Exhibit A.

## Closure

Please do not hesitate to contact us should you have any questions or require anything further.

Sincerely,

**AERCOUSTICS ENGINEERING LIMITED**



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Christopher Bosyj, M.A.Sc., P.Eng.



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Payam Ashtiani, B.A.Sc., P.Eng.