

Ministry of the Environment,
Conservation and Parks

Ministère de l'Environnement, de
la Protection de la nature et des Parcs

Environmental Permissions Branch

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November 6, 2020

To: Jeong Tack
SP Armow Wind Ontario LP
2050 Derry Road West
Mississauga, ON L5N 4B9
leejt@samsung.com

**RE: Acoustic Audit Review Summary (E-Audit and I-Audit)
Armow Wind Power Project: REA # 4544-9B7MYH
SP Armow Wind Ontario Limited Partnership**

Dear Mr. Tack,

We have completed our review of the acoustic emission audit (E-Audit) and supporting information, which addressed the emissions from the Facility, prepared by Aercoustics Engineering Ltd and signed by Payam Ashtiani, PEng:

A) E-Audit report entitled:

- A1. *“Armow Wind Project – Turbine T30, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00.T30.RP3, SP Armow Wind Ontario GP Inc.”* dated January 31, 2018 (Revision #3);
- A2. *“Armow Wind Farm – Turbine T50, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00T50.RP2, SP Armow Wind Ontario LP”* dated January 31, 2018 (Revision #2);;
- A3. *“Armow Wind Power Project – Turbine T68, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00T68.RP2, SP Armow Wind Ontario LP”* dated January 31, 2018 (Revision #2);
- A4. *“Armow Wind Farmt – Turbine T75, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00T75.RP2, SP Armow Wind Ontario GP Inc.”* dated January 31, 2018 (Revision #2);

- A5. “*Armow Wind Farm – Turbine T80, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00T80.RP2, SP Armow Wind Ontario Gp Inc.*” dated January 31, 2018 (Revision #2);
- A6. “*Armow Wind Project – Turbine T88, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00T88.RP3, SP Armow Wind Ontario GP Inc.*” dated January 31, 2018 (Revision #3);
- A7. “*Armow Wind Project – Turbine T95, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00T95.RP3, SP Armow Wind Ontario LP*” dated January 31, 2018 (Revision #3); and,
- A8. “*Armow Wind Project – Turbine T102, IEC 61400-11 Edition 3.0 Measurement Report, 15247.00T102.RP3, SP Armow Wind Ontario GP Inc.*” dated January 31, 2018 (Revision #3).

By means of this letter, it is acknowledged that the Facility has not fulfilled the requirements associated with the Condition F (i.e. the E-Audit condition) of the Renewable Energy Approval (REA) # 4544-9B7MYH dated October 9, 2013. As such, the company has chosen Option 2 (I-Audit or RAM I-Audit) from Section E3.1.2 of the Compliance Protocol for Wind Turbine Noise to demonstrate compliance at the receptor. Therefore, the company provided an updated Acoustic Immission Audit reports to demonstrate compliance at the receptor.

B) I-Audit and Tonality Assessment reports:

We have completed our review of the following Acoustic Immission Audit (I-Audit) reports, prepared by Aercoustics Engineering Ltd and signed by Payam Ashtiani, PEng:

- B1. “*Armow Wind Power Project Acoustic Immission Audit – R68 – Project: 15247.03*” dated February 7, 2020; and,
- B2. “*Armow Wind Power Project Acoustic Immission Audit – R215 – Project: 15247.00*” dated February 7, 2020.

We have also completed our review of the following tonality assessment reports, prepared by Aercoustics Engineering Ltd and signed by Payam Ashtiani, PEng, which addressed identified tonality issues at the Facility:

B) Tonality assessment reports:

- B3. “*Armow Wind Power Project Tonality Assessment Report – R154 – Project: 15247.03*” dated February 7, 2020;
- B4. “*Armow Wind Power Project Tonality Assessment Report – R165 – Project: 15247.03*” dated February 7, 2020;

- B5. *“Armow Wind Power Project Tonality Assessment Report – R215 – Project: 15247.03”* dated February 7, 2020;
- B6. *“Armow Wind Power Project Tonality Assessment Report – R221 – Project: 15247.03”* dated February 7, 2020;
- B7. *“Armow Wind Power Project Tonality Assessment Report – R243 – Project: 15247.03”* dated February 7, 2020;
- B8. *“Armow Wind Power Project Tonality Assessment Report – V556 – Project: 15247.03”* dated February 7, 2020;

By means of this letter, it is acknowledged that the Facility has fulfilled the requirements associated with the Condition E (i.e. the I-Audit condition) of the REA # 4544-9B7MYH dated October 9, 2013.

In accordance with Sections E3 and E5 of the 2017 Compliance Protocol for Wind Turbine Noise (Protocol), your firm will be required to **post the E-audit, I-Audit and Tonality Assessment reports**, on the project website **within ten (10) days** of the date on this letter. The acoustic audit reports, and any updates must be made available to the public on the project website for the life of the project.

If you have any questions regarding the above, please contact me.

Yours truly,



Miroslav Ubovic, PEng
Senior Noise Engineer and Review Engineer Coordinator
Environmental Permissions Branch (EPB)
Ministry of the Environment, Conservation and Parks (MECP)

cc: Ian Greason, Manager, Special Noise Projects, MECP, EPB
Robert Campbell, Pattern Energy
Joshua Vaidhyan, Samsung
John Ritchie, District Manager, MECP, Owen Sound
Scott Gass, Compliance Supervisor, Owen Sound