

From: Jean-Francois Latour <JeanFrancois_Latour@transalta.com>

Sent: Thursday, June 18, 2020 1:08 PM

To: Monroe, Pamela <Pamela.Monroe@sec.nh.gov>

Cc: Ethan Mollasalehi <Ethan_Mollasalehi@transalta.com>; Brush, Ethan <ebrush@ACENTECH.com>; Bahtiarian, Michael <mbahtiarian@ACENTECH.com>

Subject: RE: Antrim Wind - Post-construction sound monitoring - Second campaign during spring 2020

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Dear Ms. Pamela Monroe,

This email aims at providing a summary of the situation with Turbine 3, and an update on the second campaign of the required Post-construction sound monitoring for Antrim Wind Energy facility.

Following different actions and investigation on the yaw system of T3, we have received noticed last night that T3 could be safely brought back online; remaining maintenance will be completed after reception of additional parts and in the meantime Siemens Gamesa Renewable Energy has confirmed that we can operate safely. So, as of this morning, the site is fully operational.

A this point, it is uncertain that we will have all necessary conditions between now and June 20 for the second campaign of the required Post-construction sound monitoring. However, there is a small window of opportunity during the night between June 19 and 20. Current forecast aligns with the conditions we seek for power generation and minimum wind speed between June 19 2300 and July 20 0200 (this period may change as the forecast should get more accurate the closer we get); in terms of wind direction, the forecasts also align with the direction sought for the complaint assessment. We are working hard since this morning to plan for an attended measurement session during that time window. Even if we might be unable to have measurements for all the required conditions, I believe we ought to try to measure as much as we can. - Moreover, we have asked permission to ISO-NE for a shutdown in order to measure background sound between 0000 and 0100 on June 20. While writing these lines, I just receive a note that the shutdown is authorized.

I would respectfully suggest that we consider asking CTA if they can mobilize at the same time for the complaint assessment. I recognize that the time period may be different that initially intended (between 2300 to 0200 – with a 1h shutdown, instead of 1800 to 2230 with a 30 min shutdown as initially intended). However, I see some merit if we want to measure sooner than later pending access permission from the stakeholder.

I'm available today between 3:00 to 4:00 and 4:30 to 5:30 pm EDT if you wish to discuss the approach that we are proposing for the complaint assessment and/or the update on the Post-construction sound monitoring campaign.

Thanks and best regards,

Jeff L.

Jean-François Latour, B. Sc., ASA | Specialist, environment | Wind & Solar Operations
TRANSALTA CORPORATION

T: +1 (438) 320-2951 | C: +1 (514) 213-6679

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From: Jean-Francois Latour

Sent: June 4, 2020 5:24 PM

To: 'Monroe, Pamela' <Pamela.Monroe@sec.nh.gov>

Cc: Ethan Mollasalehi <Ethan_Mollasalehi@transalta.com>; 'Brush, Ethan' <ebrush@ACENTECH.com>;

'Bahtiarian, Michael' <mbahtiarian@ACENTECH.com>

Subject: RE: Antrim Wind - Post-construction sound monitoring - Second campaign during spring 2020

Dear Ms. Pamela Monroe,

This email aims at providing a summary of the situation with Turbine 3, and its effect on the second campaign of the required Post-construction sound monitoring for Antrim Wind Energy facility.

The yaw system is the system that allows the rotation of the turbine in order to steer the nacelle facing the wind. It has several components, including 80 bolts. Based on observations on one of the 80 bolts, we had to initiate an unforeseen/unplanned (but not abnormal) maintenance and as a precaution Turbine 3 was preemptively shut down as indicated previously. Following the applicable and standard process in these situations, the bolt was sent to a lab for engineering assessment which should be finalized this week. In parallel, we are expecting replacement bolts on site next week should there is no delay due to customs and/or COVID-19 (parts coming from Denmark). Turbine 3 may remain paused till the replacement is completed.

Depending on the date at which Turbine 3 will be back online at full capacity and the weather condition between then and June 20, this unforeseen situation may affect our ability to gather all the necessary data for the second campaign of the required Post-construction sound monitoring. Should that be the case, we may contemplate filing a waiver proposing an alternative method that would satisfy the purpose of the NHSEC site Rules.

I intend to provide follow-up updates on the matter when relevant.

Let me know should you have any questions.

Thanks and stay safe!

Jeff L.

Jean-François Latour, B. Sc., ASA | Specialist, environment | Wind & Solar Operations

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From: Jean-Francois Latour

Sent: May 29, 2020 5:21 PM

To: 'Monroe, Pamela' <Pamela.Monroe@sec.nh.gov>

Cc: Ethan Mollasalehi <Ethan_Mollasalehi@transalta.com>; 'Brush, Ethan' <ebrush@ACENTECH.com>; 'Bahtiarian, Michael' <mbahtiarian@ACENTECH.com>

Subject: RE: Antrim Wind - Post-construction sound monitoring - Second campaign during spring 2020

Dear Ms. Pamela Monroe,

This email is to provide an update on the Second campaign of the required Post-construction sound monitoring for Antrim Wind Energy facility.

The monitoring equipment was installed on Wednesday May 27 and an attended session was planned for the same evening. Unfortunately, on the same day Turbine 3 had to be preemptively shut down due to an unforeseen yaw bolt maintenance that was required; Turbine 3 will remain shut down till next Tuesday pending maintenance/investigation results. The attended session was therefore limited to measure the background sound during the planned shutdown of the entire facility and the total sound attended measurement is postponed till the site is fully up and running. I should have an update on our expected schedule next Wednesday.

Let me know should you have any questions.
Thanks and stay safe!

Jeff L.

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From: Jean-Francois Latour

Sent: May 18, 2020 12:20 PM

To: Monroe, Pamela <Pamela.Monroe@sec.nh.gov>

Cc: Ethan Mollasalehi <Ethan_Mollasalehi@transalta.com>; Brush, Ethan <ebrush@ACENTECH.com>; Bahtiarian, Michael <mbahtiarian@ACENTECH.com>

Subject: Antrim Wind - Post-construction sound monitoring - Second campaign during spring 2020

Dear Ms Pamela Monroe,

The measurements for the second campaign of the Post-construction sound monitoring needs to be completed on or before June 20. To execute those, we are looking to mobilize the equipment in the field on May 27. As previously discussed, we will reach out directly to the land owners for all positions to have their permission to install the equipment again with the exception of location L4; for this position, I believe it would be preferable if you reach out first to Ms Barbara Berwick to inform her of our intention to proceed and that our consultant (Ethan Brush from Acentech) will connect to schedule the installation and to inform her when him and his team will proceed with the attended measurements. I also believe that reiterating that there is two parallel exercises related to sound monitoring will be helpful as I think there has been confusion between the two:

- 1) Complaint assessment/validation:
 - a. Required in the event of a complaint per AWE's certificate condition;
 - b. Performed by Cavanaugh Tocci Associates, Third-party noise expert assisting the Town and NHSEC in order to evaluate and validate noise complaints;
 - c. Measurements which will be conducted when access permission is granted and under the same meteorological conditions as occurred at the time of the alleged exceedance.
- 2) Post-construction sound monitoring:
 - a. Required per AWE's certificate conditions and NHSEC rules;
 - b. Performed by Acentech, AWE's consultant which has been retained for this specific task;
 - c. 4 campaigns in the first year, one each season. Including both attended and unattended measurements.
 - d. 5 locations for the measurements, including L4 on Ms. Berwick land, hence why her permission is also required for this exercise.

For your information regarding location L5, we are still looking for options and will let you know when we reach a more favorable approach.

Please let me know should you have any questions.

Thanks and stay safe!

Jeff L.

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