



February 6, 2017

Algonquin Power Co.
354 Davis Road, Suite 100
Oakville, ON
L6J 2X1

Attn: Ariel Bautista, Senior Project Manager

Dear Mr. Bautista:

Re: Review of Fill Permit Application – Windlectric Project

Loyalist Township's consultant has completed their review of the Algonquin Power - Amherst Island Wind Project, Fill Permit Application Submission, dated January 16, 2017. The application is for grading, in conjunction with construction of the dock access road and stockpiling of aggregate. The following comments are provided:

1. MOECC has approved the ESC and SWMP as submitted, but only for the dock access road and stock pile area. Algonquin Power must submit plans for other components. MOECC has indicated other requirements that must be met before construction starts, most notably:
 - a. an emergency response plan must be prepared;
 - b. a turbidity sampling program must be submitted to the Director for approval; and
 - c. a Marine Logistics Plan must be prepared.

These documents must be provided.

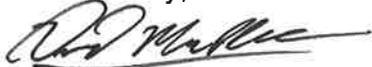
2. Stantec has prepared an SWMP and ECP of sufficient detail for this application. However, the SWMP, as submitted, does not include sizing calculations for required culverts and does not address the impact of road construction on sheet flow, such as will occur between Drainage Areas 4 and 5. The drawing for Drainage Area 15 shows the turbine access road crossing natural watercourses, but no culverts are indicated. The proponent should be advised that this information will be required for future submissions where drainage impacts will be more substantial than what is anticipated for this first phase of construction.
3. There are drawings included in the application materials for the CRCA, showing the proposed access road and works needed for the Island dock. A second set of drawings is also included in the Municipal package, that are further advanced than the drawings sent to CRCA for approval. The approval drawings (for CRCA) show a 500mm culvert to be placed in the ditch at Front Road. The culvert material is

unspecified. In the "For Construction" drawings the same culvert is shown as 400mm CSP. Which size will be installed? How was the culvert sized? Did CRCA provide any review of the proposed culverts on the municipal road? Are they aware of the revised size?

4. The same culvert is shown to have 15m of permanent culvert proposed with an additional 21m of temporary culvert. The CRCA permit application drawings show removals of temporary works within the floodplain, but there is no direction provided in the application materials to show removals of the temporary works within the road allowance. Temporary culverts are to be removed immediately after the completion of the turbine construction phase.
5. The south culvert at the same intersection is also changed in size between the two sets of drawings. It appears a 400mm culvert is being proposed as per the "For Construction" drawings. Please confirm how this culvert was sized.
6. Rip-rap was shown on the entrances and exits of the culverts on the road allowance in the CRCA approval drawings. This rip-rap has been removed in the "For Construction" drawings. Why?
7. Straw bale flow check dams were initially shown in the CRCA approval drawings, but have been removed in the Municipal application drawings. Why?
8. The storm report states the stockpile areas will be proof-rolled, prior to placing materials. This information has not been carried through to the design drawings. Is this no longer proposed?
9. Please be advised that this permit does not give approval for the use of the Municipal right-of-way, other than legal uses provided to normal-sized vehicles under the Highway Traffic Act (Ontario). No oversized loads will be allowed until the conditions outlined in the Road Use Agreement are met.

Kindly review and return comments on these items, at your earliest convenience. Please contact the undersigned at 613-386-7351, ext. 117, if you have any questions.

Yours truly,



David MacPherson, C.E.T.
Public Works Manager
DM/ka

c.c.: Dan Fencott, G.D. Jewell Engineering
Guy Laporte, AECOM (retired)
Murray Beckel, Director of Planning & Development
Dave Thompson, Director of Infrastructure Services
Robert Maddocks, Chief Administrative Officer