



April 30, 2012

Your file  
Minas Basin - South Canoe - EMI Study  
Our file  
12-0285

Mr. Barry Turner  
Genivar Inc.  
505 Rene-Levesque Blvd West, 8 th Floor  
Montreal, QC  
H2Z 1Y7

**RE: Wind Farm: 42 Wind turbines - Leminster, NS  
(See attached spreadsheet)**

Mr. Turner,

We have evaluated the captioned proposal and NAV CANADA has no objection to the project as submitted. Analysis shows that turbines 1-23, 25-27, 30-31 and 42 are marginally visible to the Halifax Radar and that turbines 14-16 are marginally visible to the Moncton Radar. Those turbines in this wind farm have the potential to be a constant source of false targets and could mask real aircraft in the vicinity of the wind farm but the impact is manageable with appropriate mitigations measures. Any changes to this proposal would need to be re-assessed for possible impact.

Please contact Department of National Defence (DND) Major Alan Harvey at 902-765-1494 Ext 3915 or email at [ALAN.HARVEY@forces.gc.ca](mailto:ALAN.HARVEY@forces.gc.ca) regarding the impacts to the Minimum Sector Altitudes (MSA) at Greenwood, NS (CYZX) as at this time they are still reviewing the possible impacts.

While these proposed 42 wind structure are acceptable, it does not constitute NAV CANADA's approval for any additional structures at this location. The nature and magnitude of electronic interference to NAV CANADA ground-based navigation aids, including RADAR, due to wind turbines depends on the location, configuration, number, and size of turbines; all turbines must be considered together for analysis. The interference of wind turbines to certain navigation aids is cumulative and while initial turbines may be approved, continued development may not always be possible.

In the interest of aviation safety, it is incumbent on NAV CANADA to maintain up-to-date aeronautical publications and issue NOTAM as required. To assist us in that end, we ask that you notify us at least 10 business days prior to the erection of the turbines. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form by e-mail at [landuse@navcanada.ca](mailto:landuse@navcanada.ca) or fax at 613-248-4094. In the event that you should decide not to proceed with this project or if the structure is dismantled, please advise us accordingly so that we may formally close the file.

If you have any questions, contact the Land Use Department by telephone at 1-866-577-0247 or e-mail at [landuse@navcanada.ca](mailto:landuse@navcanada.ca).

NAV CANADA's land use evaluation is valid for a period of 12 months. Our assessment is limited to the impact of the proposed physical structure on the air navigation system and installations; it neither constitutes nor replaces any approvals or permits required by Transport Canada, Industry Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval is required. Industry Canada addresses any spectrum management issues that may arise from your proposal and consults with NAV CANADA engineering as deemed necessary.

Yours truly,

A handwritten signature in black ink, appearing to read "Aleksandar Trandafilovski".

Aleksandar Trandafilovski  
for  
David Legault  
Manager, Data Collection  
Aeronautical Information Services

cc ATLR - Atlantic Region, Transport Canada