



August 14, 2014

Your file  
Gunn's Hill Wind Farm (Curries Road and Middletown Line)  
Our file  
14-0925

Mr. Juan Anderson  
Gunn's Hill Windfarm Inc  
226 1/2 James Street N, Unit A  
Hamilton, ON  
L8R 2L3

**RE: Wind Farm: 10 Wind Turbines - Woodstock, ON  
(See attached spreadsheet)**

Mr. Anderson,

We have evaluated the captioned proposal and our analysis shows that all 10 of the proposed turbines are visible to the London Radar while turbines 4-10 are visible to the Hamilton Radar and turbines 1-3 are marginally visible to the Hamilton Radar with the following impacts:

- a number of nuisance (false) primary radar targets in the wind farm geographical limits and its immediate vicinity,
- a reduction to our capability to identify and track primary surveillance targets in the above mentioned area,
- a reduced capability to provide traffic information to our aviation customers when a primary only surveillance target (s) is in the area,
- an increase in the controllers' workload in the affected area, and
- a decrease in flight safety for aircraft operating in the area, especially in adverse weather conditions.

The final assessment is that the risk increase presented by this proposal may require mitigating actions. Therefore NAV CANADA will require an agreement for cost recovery should mitigation measures be needed.

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 start of construction. 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 blue ink, appearing to be the initials "JR" or similar, written in a cursive style.



David Legault  
Manager, Data Collection  
Aeronautical Information Services

cc ONTR - Ontario Region, Transport Canada  
CRE3 - CURRIES (RAND PRIVATE AIRFIELD)  
CWH3 - WOODSTOCK (HOSPITAL)(HELI)