

From: Ben Merkel

To: Leann Nguyen

Date: December 11, 2009

Subject: FCC File# 0450-EX-PL-2009

Message:

Exhibit 4 should be amended to exclude references to NOAA. This information was drawn from a previous license application and was mistakenly included.

Exhibit 4 should read:

Exhibit No. 4
(Reference Item No. 10)

This application is for a wind profiling radar system. The wind profiling radar depends on the scattering of a transmitted signal by irregularities in the index of refraction of the air. The irregularities are caused by turbulent eddies created by the wind. By receiving the scattered signal and determining the Doppler frequency, the speed of the wind can be determined. The hardware involved will be a receiver/modulator, a final amp/preamp, a digital control and data processor, and an antenna system. Data from the profiler under this license will provide hourly and sub-hourly profiles of low level wind between 100m and 5,000m.

The system, to be owned and operated by Vaisala Inc., will collect wind profiles of the atmosphere above the location in para. 5b and will be used to aide in forecasting wind for the Logan-Peetz Wind Farm. The information collected from this system and other surface weather stations will fed into a forecasting system that will help wind energy producers predict near term ramp events.

Data collected from this system will be made available to Xcel Energy as well as the National Center for Atmospheric Research (NCAR) for input into other forecasting systems.

Regarding the stop buzzer contact, the system can be accessed and shut off remotely immediately in the even the system is creating interference. I have provided a primary and secondary contact.

Primary Contact:

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Secondary Contact:

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