



KITTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES

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"Building Partnerships – Building Communities"

Exhibit F

FAA Letters and Determination of Non Hazard Certificate

DARRYL PIERCY, DIRECTOR

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COMMUNITY PLANNING • BUILDING INSPECTION • PLAN REVIEW • ADMINISTRATION • PERMIT SERVICES • CODE ENFORCEMENT • FIRE INVESTIGATION



Exhibit F

Issued Date: 03/23/2006

Justin Lotak (1T001)
 Vantage I
 One South Wacker Dr., Suite 2020
 Chicago, IL 60606

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has completed an aeronautical study under the provisions of 49 U.S.C., Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure Type: Wind Turbine
 Location: Vantage, WA
 Latitude: 46-58-36.39 NAD 83
 Longitude: 120-15-2.39
 Heights: 389 feet above ground level (AGL)
 2740 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory Circular 70/7460-1 K, Obstruction Marking and Lighting, red lights - Chapters 4, 5 (Red), & 12.

It is required that the enclosed FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

At least 10 days prior to start of construction
 (7460-2, Part I)

Within 5 days after the construction reaches its greatest height
 (7460-2, Part II)

As a result of this structure being critical to flight safety, it is required that the FAA be kept apprised as to the status of the project. Failure to respond to periodic FAA inquiries could invalidate this determination.

See attachment for additional condition(s) or information.

This determination expires on 09/23/2007 unless:

- (a) extended, revised or terminated by the issuing office.
- (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission if the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (907)271-5863. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2006-ANM-652-OE.

Signature Control No: 456165-448284

(DNE)

Robert van Haastert
Specialist

Attachment(s)
Additional Information

7460-2 Attached

Additional Information for ASN 2006-ANM-652-OE

NARRATIVE AERONAUTICAL STUDY NO. 2006-ANM-652-OE through 2006-ANM-672-OE

1. LOCATION OF PROPOSED CONSTRUCTION

The Vantage Wind Farm proposal includes twenty one (21) 389 AGL wind turbines identified in the table below. The Vantage Wind Farm would be located south and east of the Renewable Energy Wind Turbine Project, east of the town of Vantage and the Columbia River in Kittitas County, north and south of the east-west Highway (HWY) 10 and HWY 90 in Ginkgo State Park and in the Quilomene Wildlife Recreational Area.

2. OBSTRUCTION STANDARDS EXCEEDED

The proposed wind turbines would not be identified as an obstruction under the standards of Federal Aviation Regulations, Part 77.

3. EFFECT ON AERONAUTICAL OPERATIONS

a. The impact on arrival, departure, and en route procedures for aircraft operating under visual flight rules (VFR) follows: nine (9) of the 21 wind turbines (2006-ANM-652, 653, 654, 655, 656, 657, 663, 670, 671) would be along a major VFR flyway (HWY 10 and HWY 90) through the Boylson and Whiskey Dick Mountain ranges.

b. The impact on arrival, departure, and en route procedures for aircraft operating under instrument flight rules (IFR) follows: none.

c. The impact on all-existing public-use airports and aeronautical facilities follows: None.

d. The impact on all planned public-use airports and aeronautical facilities follow: None.

e. The cumulative impact resulting from the proposed construction or alteration of a structure when combined with the impact of other existing or proposed structures follows: None.

4. CIRCULATION AND COMMENTS RECEIVED

The proposal was not circulated for public comment based upon the results of an internal aeronautical study.

5. DETERMINATION - NO HAZARD TO AIR NAVIGATION

It is determined that the proposed construction would not have a substantial adverse effect on the safe and efficient use of navigable airspace by aircraft.

6. BASIS FOR DECISION

Nine of the 21 proposed wind turbines would be located along a major VFR flyway. Wind Turbine project location and structure identification by pilots can be enhanced by use of white paint and synchronized lighting.

7. CONDITIONS

Wind turbine lighting systems SHALL BE SYNCHRONIZED so that they flash simultaneously. Turbines shall be lit with a single flashing red beacon (L-864) system in accordance with FAA Advisory Circular 70/7460-1K, Obstruction Marking and Lighting, Chapters 4, 5, & 12. The advisory circular is available online at http://www.faa.gov/ats/ata/ai/AC70_7460_1K.pdf. It is also free of charge, from the Department of Transportation, Subsequent Distribution Section, M-494.3, 400 7th Street, SW, Washington, DC 20590.

Wind turbine 2006-ANM-672-OE shall synchronize it's lighting with the Renewable Energy wind turbine project.

Turbines shall also be painted white in order to utilize the single red obstruction lighting system in accordance with the FAA Technical Notice TN05-50.

Within ten days after the structure reaches its greatest height, proponent is required to file a FAA form 7460-2, Actual Construction notification, at the OE/AAA website (<http://oeaaa.faa.gov>). The Actual Construction notifications along with the attached surveys will be the source documents for the National Aeronautical Charting Office (NACO) to chart the wind turbines on sectional charts.

Provide a signed, certified engineering/survey data from a professional engineer, architect or surveyor on the certifiers letterhead regarding each proposed wind turbine site location & height in the following exact format below:

For Aeronautical Study No. 2006-ANM-652 thru 672)-OE, I certify that the latitude _____ and longitude _____ are accurate within +/- 50 feet horizontally; and the site elevation of _____ feet AMSL is accurate within +/- 20 feet vertically. With a structure height of _____ feet AGL, the overall height is _____ feet AMSL. The horizontal datum (coordinates) are in terms of the North American Datum of 1983 (NAD83) and expressed as degrees, minutes and seconds. The vertical datum heights are in terms of the National Geodetic Vertical Datum of 1988, and are determined to the nearest foot.

SIGNED: _____
(Professional Engineering Title (REQUIRED))
(With seal imprint)

PRINTED: _____

To fill this survey data requirement, each wind turbine survey should be attached to its Aeronautical Study Number via an electronic upload (adobe pdf only) at the OE/AAA website (<http://oeaaa.faa.gov>).

The table below indicates which aeronautical studies require lighting:

ASN	Project	Lighting
2006-ANM-652-OE	1-T001	YES
2006-ANM-653-OE	1-T002	YES
2006-ANM-654-OE	1-T003	YES
2006-ANM-655-OE	1-T004	YES
2006-ANM-656-OE	1-T005	YES
2006-ANM-657-OE	1-T006	YES
2006-ANM-658-OE	2-T001	YES
2006-ANM-659-OE	2-T002	YES
2006-ANM-660-OE	2-T003	YES
2006-ANM-661-OE	2-T004	YES
2006-ANM-662-OE	2-T005	YES
2006-ANM-663-OE	2-T006	YES
2006-ANM-664-OE	2-T007	YES
2006-ANM-665-OE	2-T008	NO, provided 661 is lighted
2006-ANM-666-OE	3-T001	NO, provided Renewable Energy Project is built.
2006-ANM-667-OE	3-T002	YES
2006-ANM-668-OE	3-T003	YES

2006-ANM-669-OE	3-T004	YES
2006-ANM-670-OE	3-T005	YES
2006-ANM-671-OE	3-T006	YES
2006-ANM-672-OE	3-T007	YES

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