

-Info-Public Service Commission

From: Wanner, Kyle C.
Sent: Wednesday, July 24, 2013 9:22 AM
To: -Info-Public Service Commission
Cc: Lein, Jerry R.; Taborsky, Lawrence E.
Subject: Courtenay Wind Farm Comments
Attachments: Courtenay Wind Farm.pdf

Enclosed for filing on behalf of the ND Aeronautics Commission for case #PU-13-64 are comments regarding the Courtenay Wind Farm proposal and the effect that the proposal will have on an airport in the area. If you have any further questions or need additional clarity, please let me know.

Regards,

Kyle Wanner, Airport Planner
North Dakota Aeronautics Commission
w (701) 328-9651
c (701) 425-5926
<http://www.nd.gov/ndaero/>



27 **PU-13-64** Filed: 7/24/2013 Pages: 7
Letter comments

July 23, 2013

Jerry Lein, Public Utility Analyst
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480



SUBJ: Courtenay Wind Farm

Dear Mr. Lein:

The purpose of this letter is to bring to your attention the safety concerns associated with allowing the construction of the proposed Courtenay Wind Farm and its relationship to the Sprague Airport. Being one of North Dakota's registered private airstrips, the Sprague Airport, with identifier 8ND7 currently allows its owner Robert Sprague to operate his agricultural spraying operation close to the vicinity in which he services. On a yearly basis, approximately 5,000 – 22,000 acres affecting over 50 farmers surrounding the Courtenay/Wimbledon area are provided services from the utilization of this airport.

Our main safety concerns are as follows:

- An object constitutes an obstruction to navigation if the object is 200 ft. above the airport elevation when the obstruction is within 3 miles of an airport. With multiple wind turbines planned to be approximately 500 ft. above the airport elevation, this is a safety concern.
- The proposed wind turbines would also conflict with the FAA Part 77 conical airspace of the airport. This airspace is important for an airport, as it allows the safe transition of aircraft departing and arriving to the airport. (see attached illustration)
- The Sprague Airport is a registered and identifiable airport on the North Dakota sectional chart. The airport may be used by the public who are flying in the area and have an emergency. It is very important to protect any airspace that may be utilized by the public.

With the above listed concerns, it is recommended that the following wind turbines and permanent met towers be removed from the current proposal (see attachment):

- Permanent Met Tower B
- Wind Turbine 1, 2, 3, 10, 11, 12, 13, 21, 22

If I may provide any further assistance or information relating to the importance of protecting the airspace of the Sprague Airport, please advise.

Sincerely,

A handwritten signature in blue ink that reads "Kyle C. Wanner".

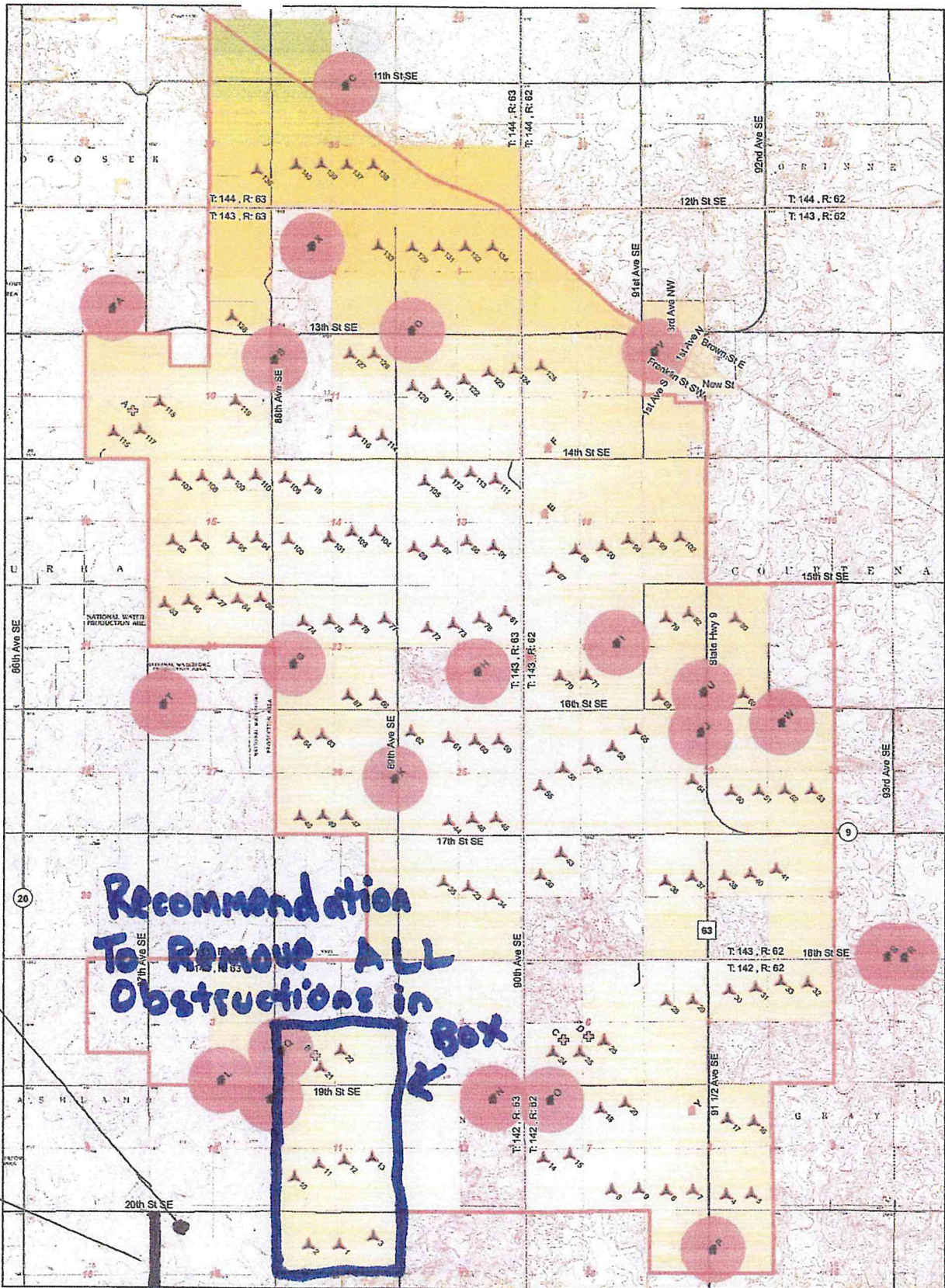
Kyle C. Wanner
Airport Planner

Cc: Larry Taborsky, Director, NDAC

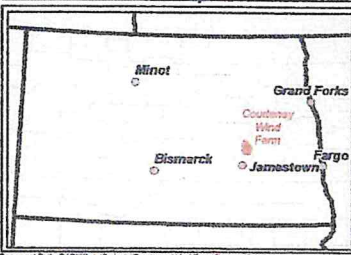
Residence and Runway Location

Residence ~~Foot~~

Runway



**Recommendation
To Remove ALL
Obstructions in
Box**



| | | | |
|--|----------------------|--|---------------------------|
| | Turbine Layout | | Residence Setback (1400') |
| | Permanent Met Towers | | Project Area |
| | Occupied Residence | | Substation |
| | Unoccupied Residence | | Signed Parcel |

0 0.4 0.8 1.6
Miles

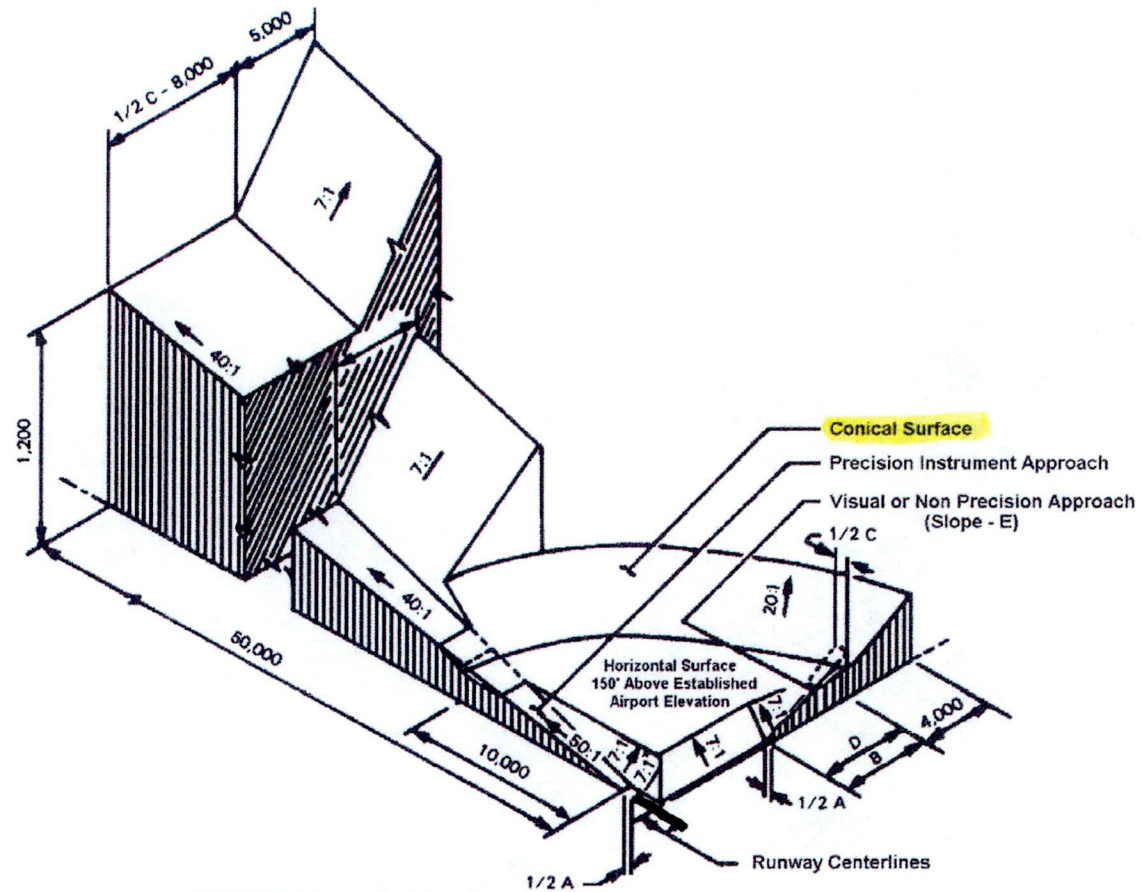
Source: Geronimo Energy, NGS USA Topo (2011),
Ventyx, ESRI et al: World Transportation (2012)

Home Setbacks,
Turbine Locations

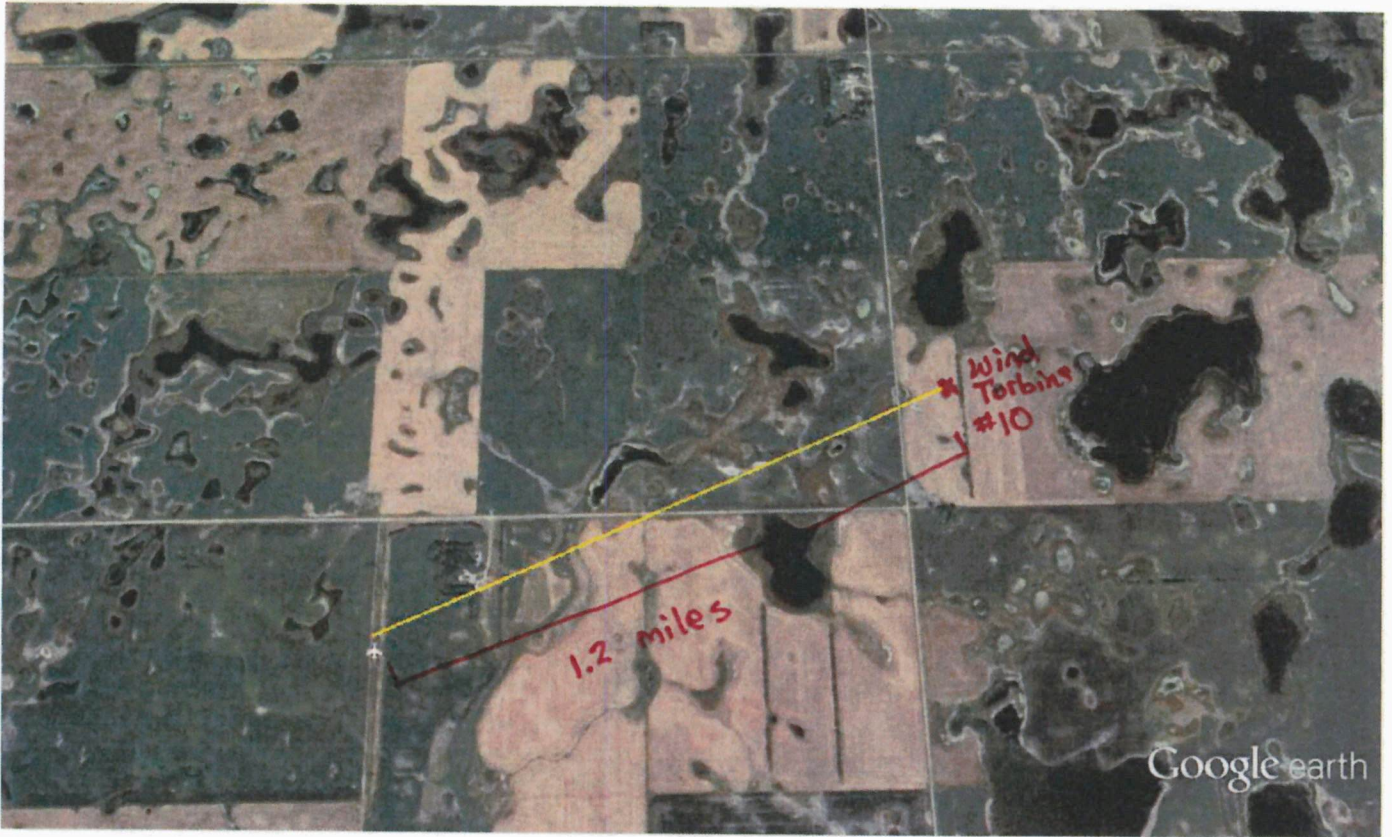
COURTENAY WIND FARM
Sutton County, North Dakota

Part A

Imaginary Surfaces



Source: <http://www.ngs.noaa.gov/AERO/oisspec.html>



Google earth



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8ND7 Sprague Airport
 Courtenay, North Dakota, USA




FAA INFORMATION EFFECTIVE 27 JUNE 2013

[Loc](#) | [Ops](#) | [Rwys](#) | [IFR](#) | [FBO](#) | [Links](#)
[Com](#) | [Nav](#) | [Svc](#) | [Stats](#) | [Notes](#)

Location

FAA Identifier: 8ND7
 Lat/Long: 47-07-14.3900N / 098-39-28.2000W
 47-07.239833N / 098-39.470000W
 47.1206639 / -98.6578333
 (estimated)
 Elevation: 1555 ft. / 474 m (estimated)
 From city: 8 miles SW of COURTENAY, ND
 Time zone: UTC -5 (UTC -6 during Standard Time)
 Zip code: 58426

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Airport Operations

Airport use: Private use. Permission required prior to landing
 Activation date: 04/2010
 Sectional chart: [TWIN CITIES](#)
 Control tower: no
 ARTCC: MINNEAPOLIS CENTER
 FSS: GRAND FORKS FLIGHT SERVICE STATION
 Attendance: UNATNDD
 Segmented circle: no

Airport Communications

WX ASOS at JMS (11 nm S): 118.425 (701-251-9002)

Nearby radio navigation aids

| VOR radial/distance | VOR name | Freq | Var |
|------------------------------|-------------------|--------|-----|
| JMSr354/11.3 | JAMESTOWN VOR/DME | 114.50 | 10E |

| NDB name | Hdg/Dist | Freq | Var | ID |
|-----------------------------|----------|------|-----|---------------------------|
| VALLEY CITY | 289/33.8 | 382 | 07E | VCY . . . - . . . - . . . |

Airport Services

Aerial photo

No photo available

If you have an aerial photo of this airport that you would like to share with other users of AirNav.com, click here to [send us your photo](#).

Sectional chart

Runway Information

Runway 17/35

Dimensions: 2700 x 50 ft. / 823 x 15 m

Surface: turf

RUNWAY 17 RUNWAY 35

Traffic pattern: left left

Airport Ownership and Management from official FAA records

Ownership: Privately-owned

Owner: ROBERT SPRAGUE
8720 20TH ST SE
COURTENAY, ND 58426
Phone 701-435-0018

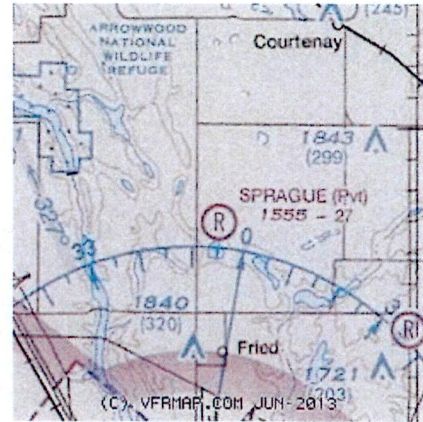
Manager: ROBERT SPRAGUE
8720 20TH ST SE
COURTENAY, ND 58426
Phone 701-435-0018

Instrument Procedures

There are no published instrument procedures at 8ND7.

Some nearby airports with instrument procedures:

- [KJMS](#) - Jamestown Regional Airport (11 nm S)
- [46D](#) - Carrington Municipal Airport (28 nm NW)
- [KBAC](#) - Barnes County Municipal Airport (28 nm E)
- [S32](#) - Cooperstown Municipal Airport (29 nm NE)
- [4V4](#) - Northwood Municipal Airport-Vince Field (56 nm NE)



Airport distance calculator

Flying to Sprague Airport? Find the distance to fly.

From to 8ND7

▶ CALCULATE DISTANCE

Sunrise and sunset

Times for 23-Jul-2013

| | Local (UTC-5) | Zulu (UTC) |
|------------------------|---------------|------------|
| Morning civil twilight | 05:27 | 10:27 |
| Sunrise | 06:04 | 11:04 |
| Sunset | 21:18 | 02:18 |
| Evening civil twilight | 21:55 | 02:55 |

Current date and time

Zulu (UTC) 23-Jul-2013 13:55:18
Local (UTC-5) 23-Jul-2013 08:55:18

METAR

KJMS 231256Z AUTO 02003KT 10SM CLR
11nm S 14/13 A3005 RMK A02 SLP177
T01440128

TAF

KJMS 231134Z 2312/2412 03006KT P6SM
11nm S VCSH SCT040 FM231400 10006KT
P6SM SCT050 SCT070 FM240200
09004KT P6SM SCT100 FM240600
18006KT P6SM SCT120

NOTAMs

▶ Click for the latest NOTAMs
NOTAMs are issued by the DoD/FAA and will open in a separate window not controlled by AirNav.

Where to Stay: Hotels, Motels, Resorts, B&Bs, Campgrounds