

March 27, 2014



Fredrikson
& BYRON, P.A.

VIA FEDERAL EXPRESS

Mr. Darrell Nitschke
Executive Secretary
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480

**RE: Courtenay Wind Farm, LLC's Certificate of Site Compatibility Application for the Courtenay Wind Farm in Stutsman County, North Dakota
Case No. PU-13-64**

Dear Mr. Nitschke:

Enclosed for filing in the above-referenced matter are copies of the following permits:

1. Stutsman County Conditional Use Permit;
2. United States Fish and Wildlife Service Special Use Permit;
3. Federal Aviation Administration Determinations of No Hazard.

The above-referenced permits are being filed pursuant to paragraph 4 of the Certification Relating to Order Provisions incorporated into the Commission's Findings of Fact, Conclusions of Law and Order issuing a Certificate of Site Compatibility to Courtenay Wind Farm, LLC, dated November 13, 2013 ("Certificate of Site Compatibility Order").

Also enclosed for filing in the above-referenced matter pursuant to the Certificate of Site Compatibility Order are an original and ten (10) copies of the following documents:

1. 2014 Pre-Construction Tree and Shrub Inventory Report for the Courtenay Wind Farm (required per the Tree and Shrub Mitigation Specifications incorporated into the Certificate of Site Compatibility Order); and
2. A Map of the Final Construction Layout for the Courtenay Wind Farm, with the turbine model identified (required per Order paragraph no. 4 of the Certificate of Site Compatibility Order).

An original and ten (10) copies of this letter, and a CD containing PDF versions of the Federal Aviation Administration Determinations of No Hazard, are also enclosed. PDF versions of

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Permits, Pre-construction tree and shrub inventory, final construction layout map
Courtenay Wind Farm, LLC
Mollie Smith

Mr. Darrell Nitschke
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the remaining above-referenced documents and this letter were filed via e-mail with the Commission today.

If you have any questions, please let me know.

Sincerely,



MOLLIE M. SMITH

MMS/ms/48116661
Enclosure

cc: Patrick Smith (*via E-mail*)



Conditional Use Permit

Date February 22, 2014

Permit # 2014-1

Permit Issued To:

Name Courtenay Wind Farm, LLC

Phone # 952-988-9000

Address 7650 Edinborough Way, Suite 725

Contact Betsy Engleking

City, State, Zip Edina, MN 55435

For Construction of: 200 megawatt wind farm in NE Stutsman County. The conditional use is for the siting of 127 wind turbine locations as well as the variance requests set forth in the original application packet.

Located at: numerous parcels located in northeastern Stutsman County. Durham, Gray, Nogosek and Courtenay Townships will be host properties.

Lot	Block	Subdivision
_____	_____	_____
or		
Section	Township	Range
_____	_____	_____

Construction plans submitted, approved by and on file with the Zoning Administrator.

Fee Paid \$ 63,500

Zoning Administrator

Notice: This building must not be occupied until final inspection has been made and a *CERTIFICATE OF COMPLIANCE* issued.

This building permit shall be displayed in a prominent place on the premises where the building is to be erected.

Dustin D Bakken
Stutsman County Zoning Administrator
511 2nd Ave SE
Jamestown, ND 58401

Phone 701-252-9035 Fax 701-251-6325

United States Department of the Interior
U.S. Fish and Wildlife Service
National Wildlife Refuge System
General Special Use
Application and Permit

OMB Control Number 1018-0102
Expiration Date: 06/30/2014

**KEEP FOR
YOUR RECORDS**

Name of Refuge Arrowwood National
Wildlife Refuge

Address 7780 10th St. SE
Pingree, ND 58476-9513

Attn: (Refuge Official) Paul Halko, Deputy Project Leader

Application

(To be filled out by applicant. Note: Not all information is required for each use. See instructions at the end of the notice.)

Phone # 701.285.3341 E-mail paul_halko@fws.gov

1) New Renewal Modification Other _____

Applicant Information

2) Full Name: Elizabeth Engelking 6) Phone #: _____

3) Organization: Courtenay Wind Farm, LLC 7) Fax #: _____

4) Address: 7650 Edinborough Way 8) E-mail: _____

5) City/State/Zip: Edina, MN 55435

9) Assistants/subcontractors/subpermittees: (List full names, addresses and phone #'s and specifically describe services provided if subcontractors are used.)

Activity Information

10) Activity Type: Event Wood Cutting Group Visit Cabin/Subsistence Cabin Educational Activity
 Other Temporary Easement Wetland Impacts associated with wind farm construction

11) Describe Activity: (Specifically identify timing, frequency, and how the event is expected to proceed.)

Temporary wetland impacts associated with wind turbine installation. Temporary impacts will occur from turbine construction, crane access roads and power collection line installation. Any and all fill material will be removed from wetlands and surface will be restored to original ground elevations. Temporary disturbance will likely occur over a three month period.

12) Activity/site occupancy timeline: (Specifically identify beginning and ending dates, site occupation timeline, hours, clean-up and other major events.)

Timeline from construction through restoration will likely be a three month period, likely starting in May-June 2014

(Depending on the activity for which you are requesting a permit, we may ask you for the following activity information. Please contact the specific refuge where the activity is being conducted to determine what activity information is required.)

- 13) Expected number of participants: Children _____ Adults _____ Total _____
- 14) Grade level of educational group: Grade: _____ N/A
- 15) Will staff time/assistance be required? Yes No N/A
- 16a) Plan of Operation required? Yes No N/A
- 16b) Plan of Operation attached? Yes No

17) Location: (Specifically identify location; GPS location preferred.)

Stutsman County, ND	Ashlund Twp	142N 63W	2,11,14
	Courtenay Twp	143N 62W	7,17-20,28-33
	Durham Twp	143N 63W	1-3,9-15,22-26,36
	Gray Twp	142N 62W	4-8
	Nogesek Twp	144N 63W	34-35

- 18a) Is map of location(s) required? Yes No N/A
- 18b) Is map of location(s) attached? Yes No

Insurance Coverage/Certifications/Permits

- 19a) Is insurance required? Yes No N/A
- 19b) Insurance: (Provide carrier, type and policy number)
N/A

20) Other licenses/certifications/permits required: (Specifically identify licenses, certifications, and permits)

Logistics and Transportation

- 21) Does activity require personnel to stay overnight onsite? Yes No
- 22) Personnel involved:
N/A
- 23) Specifically describe **all** equipment/gear and materials used:
N/A

24) Transportation description(s) and license number(s) to access refuge(s): [Provide description of and specific auto license/boat/plane registration number(s)]
N/A

- 25) Specifically describe onsite work and/or living accommodations:
N/A
- 26) Specifically describe onsite hazardous material storage or other onsite material storage space:
N/A

27) Signature of Applicant

Date of Application:

Sign, date, and print this form and return it to the refuge for processing. Do not fill out information below this page.

PRINT FORM

For Official Use Only (This section to be filled out by refuge personnel only.)

Special Use Permit

Permit #: 14-146

1) Date: _____ 2) Permit Approved Permit Denied 3) Station #: 62510

4) Additional special conditions required: (Special conditions may include activity reports before and after photographs, and other conditions.)

Yes No N/A

Additional sheets attached:

Yes No

5) Other licenses/permits required:

Yes No N/A

Verification of other licenses/permits, type: _____

6) Insurance/certifications required:

Yes No N/A

Verification of insurance/certification, type: _____

7) Record of Payments: Exempt Partial Full

Amount of payment: _____

Record of partial payment: _____

8) Bond posted: Yes No

This permit is issued by the U.S. Fish and Wildlife Service and accepted by the applicant signed below, subject to the terms, covenants, obligations, and reservations, expressed or implied herein, and to the notice, conditions, and requirements included or attached. A copy of this permit should be kept on hand so that it may be shown at any time to any refuge staff.

Permit approved and issued by (signature and title):

Paul Halko

Paul Halko, Deputy Project Leader

Date: 12/20/13

Permit accepted by (Signature of applicant):

Stephan M. Engelberg

Date: 12/30/13

Notice

In accordance with the Privacy Act (5 U.S.C. 552a) and the Paperwork Reduction Act (44 U.S.C. 3501), please note the following information:

1. The issuance of a permit and collection of fees on lands of the National Wildlife Refuge System are authorized by the National Wildlife Refuge System Administration Act (16 U.S.C. 668dd-ee) as amended, and the Refuge Recreation Act (16 U.S.C. 460k-460k-4).
2. The information that you provide is voluntary; however submission of requested information is required to evaluate the qualifications, determine eligibility, and document permit applicants under the above Acts. It is our policy not to use your name for any other purpose. The information is maintained in accordance with the Privacy Act. All information you provide will be considered in reviewing this application. False, fictitious, or fraudulent statements or representations made in the application may be grounds for revocation of the Special Use Permit and may be punishable by fine or imprisonment (18 U.S.C. 1001). Failure to provide all required information is sufficient cause for the U.S. Fish and Wildlife Service to deny a permit.
3. No Members of Congress or Resident Commissioner shall participate in any part of this contract or to any benefit that may arise from it, but this provision shall not pertain to this contract if made with a corporation for its general benefit.
4. The Permittee agrees to be bound by the equal opportunity "nondiscrimination in employment" clause of Executive Order 11246
5. Routine use disclosures may also be made (a) to the U.S. Department of Justice when related to litigation or anticipated litigation; (b) of information indicating a violation or potential violation of a statute, rule, order, or license to appropriate Federal, State, local or foreign agencies responsible for investigating or prosecuting the violation or for enforcing or implementing the statute, rule, regulations, order, or license; (c) from the record of the individual in response to an inquiry from a Congressional office made at the request of the individual (42 FR 19083; April 11, 1977); and (d) to provide addresses obtained from the Internal Revenue Service to debt collection agencies for purposes of locating a debtor to collect or compromise a Federal Claim against the debtor, or to consumer reporting agencies to prepare a commercial credit report for use by the Department (48 FR 54716; December 6, 1983).
6. An agency may not conduct or sponsor and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. This information collection has been approved by OMB and assigned control number 1018-0102. The public reporting burden for this information collection varies based on the specific refuge use being requested. The relevant public reporting burden for the General Use Special Use Permit Application form is estimated to average 30 minutes per response, including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Comments on this form should be mailed to the Information Collection Clearance Officer, U.S. Fish and Wildlife Service, 4401 N. Fairfax Drive, MS 2042-PDM, Arlington, Virginia, 22203.

General Conditions and Requirements

1. **Responsibility of Permittee:** The permittee, by operating on the premises, shall be considered to have accepted these premises with all facilities, fixtures, or improvements in their existing condition as of the date of this permit. At the end of the period specified or upon earlier termination, the permittee shall give up the premises in as good order and condition as when received except for reasonable wear, tear, or damage occurring without fault or negligence. The permittee will fully repay the Service for any and all damage directly or indirectly resulting from negligence or failure on his/her part, and/or the part of anyone of his/her associates, to use reasonable care.
2. **Operating Rules and Laws:** The permittee shall keep the premises in a neat and orderly condition at all times, and shall comply with all municipal, county, and State laws applicable to the operations under the permit as well as all Federal laws, rules, and regulations governing national wildlife refuges and the area described in this permit. The permittee shall comply with all instructions applicable to this permit issued by the refuge official in charge. The permittee shall take all reasonable precautions to prevent the escape of fires and to suppress fires and shall render all reasonable assistance in the suppression of refuge fires.
3. **Use Limitations:** The permittee's use of the described premises is limited to the purposes herein specified and does not, unless provided for in this permit, allow him/her to restrict other authorized entry onto his/her area, and permits the Service to carry on whatever activities are necessary for: (1) protection and maintenance of the premises and adjacent lands administered by the Service; and (2) the management of wildlife and fish using the premises and other Service lands.
4. **Transfer of Privileges:** This permit is not transferable, and no privileges herein mentioned may be sublet or made available to any person or interest not mentioned in this permit. No interest hereunder may accrue through lien or be transferred to a third party without the approval of the Regional Director of the Service and the permit shall not be used for speculative purposes.
5. **Compliance:** The Service's failure to require strict compliance with any of this permit's terms, conditions, and requirements shall not constitute a waiver or be considered as a giving up of the Service's right to thereafter enforce any of the permit's terms or conditions.
6. **Conditions of Permit not Fulfilled:** If the permittee fails to fulfill any of the conditions and requirements set forth herein, all money paid under this permit shall be retained by the Government to be used to satisfy as much of the permittee's obligation as possible.
7. **Payments:** All payment shall be made on or before the due date to the local representative of the Service by a postal money order or check made payable to the U.S. Fish and Wildlife Service.
8. **Termination Policy:** At the termination of this permit the permittee shall immediately give up possession to the Service representative, reserving, however, the rights specified in paragraph 11. If he/she fails to do so, he/she will pay the government, as liquidated damages, an amount double the rate specified in this permit for the entire time possession is withheld. Upon yielding possession, the permittee will still be allowed to reenter as needed to remove his/her property as stated in paragraph 11. The acceptance of any fee for the liquidated damages or any other act of administration relating to the continued tenancy is not to be considered as an affirmation of the permittee's action nor shall it operate as a waiver of the Government's right to terminate or cancel the permit for the breach of any specified condition or requirement.
9. **Revocation Policy:** This permit may be revoked by the Regional Director of the Service without notice for noncompliance with the terms hereof or for violation of general and/or specific laws or regulations governing national wildlife refuges or for nonuse. It is at all times subject to discretionary revocation by the Director of the Service. Upon such revocation the Service, by and through any authorized representative, may take possession of the said premises for its own and sole use, and/or may enter and possess the premises as the agent of the permittee and for his/her account.

10. Damages: The United States shall not be responsible for any loss or damage to property including, but not limited to, growing crops, animals, machinery or injury to the permittee or his/her relatives, or to the officers, agents, employees, or any other who are on the premises from instruction or by the sufferance of wildlife or employees or representatives of the Government carrying out their official responsibilities. The permittee agrees to save the United States or any of its agencies harmless from any and all claims for damages or losses that may arise to be incident to the flooding of premises resulting from any associated Government river and harbor, flood control, reclamation, or Tennessee Valley Authority activity.

11. Removal of Permittee's Property: Upon the expiration or termination of this permit, if all rental charges and/or damage claims due to the Government have been paid, the permittee may, within a reasonable period as stated in the permit or as determined by the refuge official in charge, but not to exceed 60 days, remove all structures, machinery, and/or equipment, etc. from the premises for which he/she is responsible. Within this period the permittee must also remove any other of his/her property including his/her acknowledged share of products or crops grown, cut, harvested, stored, or stacked on the premises. Upon failure to remove any of the above items within the aforesaid period, they shall become the property of the United States.

Instructions for Completing Application

You may complete the application portion verbally, in person or electronically and submit to the refuge for review. Note: Please read instructions carefully as not all information is required for each activity. Contact the specific refuge headquarters office where the activity is going to be conducted if you have questions regarding the applicability of a particular item.

1. Identify if permit application is for new, renewal or modification of an existing permit. Permit renewals may not need all information requested. Contact the specific refuge headquarters office where the activity is going to be conducted if you have questions regarding the applicability of a particular item.

2-8. Provide full name, organization (if applicable), address, phone, fax, and e-mail.

9. Provide names and addresses of assistants, subcontractors or subpermittees. Names and addresses are only required if the assistants, subcontractors or subpermittees will be operating on the refuge without the permittee being present. Volunteers, assistants, subcontractors or subpermittees that are accompanied by the permittee need not be identified.

10. Activity type: check one of the following categories:

- a. Event;
- b. Wood cutting;
- c. Group visit;
- d. Cabin/Subsistence cabin;
- e. Educational activity; or
- f. Other—any other activity(s) not mentioned above. Please describe "other" activity.

11. Describe Activity: provide detailed information on the activity, including times, frequency and how the activity is expected to proceed, etc. Permit renewals may not need activity description, if the activity is unchanged from previous permit. Most repetitive activities, such as group visits, do require an activity description for each visit. Contact the specific refuge headquarters office where the activity is going to be conducted to determine if an activity description is required.

12. Activity/site occupancy timeline: identify beginning and ending dates, site occupation timeline, hours, clean-up and other major events. Permit renewals may not need an activity/site occupancy timeline, if the activity is unchanged from previous permit. Most repetitive activities, such as group visits, do require an activity/site occupancy timeline for each visit. Contact the specific refuge headquarters office where the activity is going to be conducted to determine if an activity/site occupancy timeline is required.

13-14 Expected number of participants: Provide an estimate of the number of adults, and children and grade level of group, if applicable.

15. Identify if onsite refuge staff will be required for group activities and anticipated time frame, if applicable.

16a-16b. Identify and attach Plan of Operation, if required. Most repetitive activities, such as group visits, do not require Plans of Operations for each visit. In addition, permit renewals may not require Plans of Operations if the activity is essentially unchanged from the previous permit. Contact the specific refuge headquarters office where the activity is going to be conducted to determine if a Plan of Operations is required.

17. Location: identify specific location (GPS coordinates preferred), if not a named facility. Most repetitive activities, such as group visits, do not require a location. In addition, permit renewals may not require a location if the activity is essentially unchanged from the previous permit. Contact the specific refuge headquarters office where the activity is going to be conducted to determine if a location is required.

18a-18b. Attach a map of location, if required and not conducted at a named facility. Most repetitive activities, such as group visits, do not require a map. In addition, permit renewals may not require a map if the activity is essentially unchanged from the previous permit. Contact the specific refuge headquarters office where the activity is going to be conducted to determine if a map is required.

19a-19b. Provide name, type and carrier of insurance, if required. Contact the specific refuge headquarters office where the activity is going to be conducted to determine if insurance and type of insurance are required.

20. Specifically identify types and numbers of other licenses, certifications or permits, if required. Contact the specific refuge headquarters office where the activity is going to be conducted to determine the types of licenses, certifications or permits required, and to coordinate the simultaneous application of several types of licenses, certifications or permits. This Special Use Permit (SUP) may be processed while other certifications are being obtained.

21-22. Provide name(s) of any personnel required to stay overnight, if applicable.

OMB Control Number 1018-
Expiration Date: 06/30/2

23. Identify all equipment and materials, which will be used, if required. Most repetitive events, such as group visits, do not require a list of equipment. In addition, permit renewals may not require a list of equipment if the event is essentially unchanged from the previous permit. Contact the specific refuge headquarters office where the activity is going to be conducted to determine if a list of equipment is required.
24. Describe and provide vehicle descriptions and license plate or identification numbers of all vehicles, including boats and airplanes, if required. Motor vehicle descriptions are only required for permittee vehicle, and/or if the vehicle will be operated on the refuge without the permittee being present. Motor vehicles that are accompanied by the permittee as part of a group (convoy) activity need not be identified if cleared in advance by refuge supervisor. Specifically describe ship-to-shore, intersite (between islands, camps, or other sites) and onsite transportation mechanisms, and license plate identification numbers, if required.
25. Specifically describe onsite work and/or living accommodations, if applicable.
26. Specifically describe onsite hazardous material storage, or other onsite material storage space (including on and offsite fuel caches).
27. Sign, date, and print the application. Click on the Print button to print the application (if using the fillable version). The refuge official will review, if approved, fill out the remaining information, sign, and return a copy to you for signature and acceptance.

The form is not valid as a permit unless it includes refuge approval, a station number, a refuge-assigned permit number, and is signed by a refuge official.

Special Conditions (continued) - Permit # 62510-14-146

- 1) Prior to construction, a topographical survey will be completed at 50ft intervals for planned linear easement wetland disturbances and on a 50ft grid for non-linear easement wetland disturbances.
- 2) After construction, any and all fill will be removed from the easement wetland areas.
- 3) After construction, disturbed areas will be graded to micmic the pre-disturbance conditions.
- 4) If deemed necessary by USFWS, to achieve proper easement wetland restoration, an as built survey will be completed by permitte, to aid in the restoration of pre-construction surface elevations.

Feature ID	Figure 2 Map Book Page	Feature Type	Jurisdiction	Facility Type Affecting	Permanent	Temporary	Total
A070	143, 63, 09	Shallow Open Water	USFWS	Collection Line			
C054	143, 63, 24	Seasonally Flooded Basin	USFWS	Collection Line		0.000	0.000
B028	143, 63, 26	Seasonally Flooded Basin	USFWS	Collection Line		0.000	0.000
C024	142, 63, 02 142, 63, 3	Shallow Marsh	USFWS	Turbine, Access Road, Collection Line		0.002	0.002
A154	143, 63, 01	Shallow Marsh	USFWS	Access Road		0.005	0.005
A157	143, 63, 01	Seasonally Flooded Basin	USFWS	Access Road		0.006	0.006
A162	143, 62, 20	Seasonally Flooded Basin	USFWS	Access Road		0.007	0.007
B004	143, 62, 20	Shallow Marsh	USFWS	Access Road		0.007	0.007
A122	143, 63, 26	Pond	USFWS	Collection Line		0.008	0.008
B006	143, 62, 20	Shallow Marsh	USFWS	Turbine		0.009	0.009
A007	142, 63, 11	Shallow Marsh	USFWS	Access Road		0.011	0.011
C023	142, 63, 02	Shallow Marsh	USFWS	Access Road		0.016	0.016
A133	143, 63, 24	Seasonally Flooded Basin	USFWS	Collection Line		0.018	0.018
A046	143, 63, 01	Seasonally Flooded Basin	USFWS	Collection Line		0.020	0.020
C022	142, 63, 02	Seasonally Flooded Basin	USFWS	Turbine, Access Road		0.021	0.021
B020	143, 63, 26	Seasonally Flooded Basin	USFWS	Turbine, Access Road		0.022	0.022
C019	142, 63, 02	Shallow Marsh	USFWS	Turbine		0.025	0.025
B029	143, 63, 26	Seasonally Flooded Basin	USFWS	Collection Line		0.026	0.026
C020	142, 63, 02	Shallow Open Water	USFWS	Access Road		0.027	0.027
B030	143, 63, 23	Wet Meadow	USFWS	Collection Line		0.028	0.028
C060	143, 62, 18	Seasonally Flooded Basin	USFWS	Collection Line		0.031	0.031
C032	143, 63, 25	Shallow Marsh	USFWS	Turbine, Access Road		0.034	0.034
A047	143, 63, 01	Seasonally Flooded Basin	USFWS	Collection Line		0.040	0.040
C056	143, 63, 24	Shallow Marsh	USFWS	Collection Line		0.040	0.040
366	143, 63, 25	Seasonally Flooded Basin	USFWS	Access Road		0.046	0.046
339	143, 63, 24	Seasonally Flooded Basin	USFWS	Collection Line		0.047	0.047
A003	142, 63, 14	Seasonally Flooded Basin	USFWS	Access Road		0.049	0.049
B083	143, 63, 15	Seasonally Flooded Basin	USFWS	Turbine, Access Road, Collection Line		0.051	0.051
C027	143, 63, 36	Shallow Marsh	USFWS	Access Road		0.054	0.054
A160	143, 63, 12	Seasonally Flooded Basin	USFWS	Access Road		0.063	0.063
C006	142, 63, 14	Shallow Marsh	USFWS	Collection Line		0.067	0.067
C007	142, 63, 14	Seasonally Flooded Basin	USFWS	Access Road		0.072	0.072
C049	143, 63, 13	Deep Marsh	USFWS	Collection Line		0.074	0.074
B021	143, 63, 25	Shallow Marsh	USFWS	Collection Line		0.078	0.078
B015	143, 63, 25	Seasonally Flooded Basin	USFWS	Turbine, Access Road, Collection Line		0.080	0.080
B040	143, 63, 12	Shallow Marsh	USFWS	Collection Line		0.090	0.090
A044	143, 63, 01	Seasonally Flooded Basin	USFWS	Collection Line		0.090	0.090
C061	143, 62, 18	Seasonally Flooded Basin	USFWS	Collection Line		0.118	0.118
						0.150	0.150

B026	143, 63, 26	Shallow Marsh	USFWS	Access Road, Collection Line			
B053	143, 63, 12	Seasonally Flooded Basin	USFWS	Turbine, Collection Line		0.151	0.151
B048	143, 63, 12	Seasonally Flooded Basin	USFWS	Access Road, Collection Line		0.156	0.156
C041	143, 63, 11	Shallow Marsh	USFWS	Turbine, Access Road, Collection Line		0.167	0.167
B016	143, 63, 25	Shallow Marsh	USFWS	Turbine, Collection Line		0.168	0.168
A020	143, 63, 36	Seasonally Flooded Basin	USFWS	Turbine, Collection Line		0.182	0.182
B008	143, 62, 20	Deep Marsh	USFWS	Collection Line		0.187	0.187
B018	143, 63, 25	Deep Marsh	USFWS	Collection Line		0.189	0.189
A132	143, 63, 24	Seasonally Flooded Basin	USFWS	Collection Line		0.190	0.190
B054	143, 63, 12	Shallow Marsh	USFWS	Collection Line		0.201	0.201
A045	143, 63, 01	Shallow Marsh	USFWS	Collection Line		0.203	0.203
B032	143, 63, 23	Shallow Marsh	USFWS	Collection Line		0.210	0.210
C042	143, 63, 11	Shallow Marsh	USFWS	Access Road		0.216	0.216
A039	143, 63, 02	Seasonally Flooded Basin	USFWS	Access Road, Collection Line		0.225	0.225
A032	143, 63, 01	Seasonally Flooded Basin	USFWS	Collection Line		0.228	0.228
B044	143, 63, 12	Shallow Marsh	USFWS	Collection Line		0.248	0.248
B034	143, 63, 23	Wet Meadow	USFWS	Access Road, Collection Line		0.299	0.299
C053	143, 63, 24	Seasonally Flooded Basin	USFWS	Collection Line		0.358	0.358
A037	143, 63, 02	Wet Meadow	USFWS	Collection Line		0.382	0.382
C052	143, 63, 13	Seasonally Flooded Basin	USFWS	Collection Line		0.396	0.396
341	143, 63, 24	Seasonally Flooded Basin	USFWS	Turbine, Collection Line		0.426	0.426
B024	143, 63, 25	Shallow Marsh	USFWS	Turbine, Collection Line		0.429	0.429
A131	143, 63, 25	Shallow Marsh	USFWS	Turbine		0.451	0.451
B046	143, 63, 12	Shallow Open Water	USFWS	Turbine		0.454	0.454
A038	143, 63, 02	Wet Meadow	USFWS	Access Road, Collection Line		0.457	0.457
A102	142, 62, 06	Seasonally Flooded Basin	USFWS	Collection Line		0.476	0.476
C059	143, 63, 24	Seasonally Flooded Basin	USFWS	Collection Line		0.481	0.481
A019	143, 63, 24	Seasonally Flooded Basin	USFWS	Access Road, Collection Line		0.482	0.482
A019	143, 63, 36	Shallow Marsh	USFWS	Collection Line		0.482	0.482
B082	143, 63, 15	Shallow Marsh	USFWS	Access Road		0.498	0.498
C021	142, 63, 02	Shallow Open Water	USFWS	Access Road		0.523	0.523
B009	143, 62, 20	Deep Marsh	USFWS	Access Road		0.577	0.577
A042	143, 63, 01	Deep Marsh	USFWS	Collection Line		0.625	0.625
A042	143, 63, 01	Shallow Marsh	USFWS	Collection Line		0.625	0.625
B050	143, 63, 12	Shallow Marsh	USFWS	Collection Line		0.687	0.687
A041	143, 63, 01	Shallow Marsh	USFWS	Collection Line		0.762	0.762
A041	143, 63, 01	Shallow Marsh	USFWS	Collection Line		0.771	0.771
B051	143, 63, 12	Shallow Marsh	USFWS	Collection Line		0.771	0.771
C043	143, 63, 11	Shallow Marsh	USFWS	Collection Line		0.773	0.773
C043	143, 63, 11	Shallow Marsh	USFWS	Turbine, Access Road, Collection Line		0.868	0.868
A036	143, 63, 02	Shallow Marsh	USFWS	Collection Line		0.868	0.868
B017	143, 63, 25	Deep Marsh	USFWS	Collection Line		0.874	0.874
B017	143, 63, 25	Deep Marsh	USFWS	Turbine, Access Road, Collection Line		0.874	0.874
C038	143, 63, 11	Deep Marsh	USFWS	Access Road		1.005	1.005
C038	143, 63, 11	Deep Marsh	USFWS	Access Road		1.115	1.115

A120	143, 63, 11 143, 63, 12	Shallow Marsh	USFWS	Collection Line		1.438	1.438
A028	144, 63, 35	Shallow Open Water	USFWS	Access Road, Collection Line		1.542	1.542
B065	143, 63, 13	Shallow Marsh	USFWS	Collection Line		1.749	1.749
C050	143, 63, 13 143, 63, 14	Shallow Open Water	USFWS	Turbine		1.893	1.893
C045	143, 63, 13	Shallow Marsh	USFWS	Access Road, Collection Line		2.135	2.135
C062	143, 62, 18	Deep Marsh	USFWS	Collection Line		2.216	2.216
A040	143, 63, 01 143, 63, 02	Shallow Marsh	USFWS	Collection Line		2.374	2.374
B049	143, 63, 12	Shallow Open Water	USFWS	Collection Line		2.555	2.555
A105	142, 62, 06	Shallow Open Water	USFWS	Collection Line		3.153	3.153
B052a	143, 62, 07 143, 63, 12	Shallow Marsh	USFWS	Turbine, Collection Line		3.196	3.196
					Total	40.877	40.877



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 Obstruction Evaluation Group
 2601 Meacham Boulevard
 Fort Worth, TX 76137

Aeronautical Study No.
 2013-WTE-3782-OE

Issued Date: 09/04/2013

Cody Jenson
 Cody: Geronimo Wind Energy
 7650 Edinborough Way #725
 Edina, MN 55435

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

The Federal Aviation Administration has conducted 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: Wind Turbine 1
 Location: Courtenay, ND
 Latitude: 47-07-13.96N NAD 83
 Longitude: 98-37-32.87W
 Heights: 1558 feet site elevation (SE)
 499 feet above ground level (AGL)
 2057 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint only - Chapters 12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2057 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Additional wind turbines or met towers proposed in the future may cause a cumulative effect on the national airspace system. This determination is based, in part, on the foregoing description which includes specific coordinates and heights . Any changes in coordinates will void this determination. Any future construction or alteration 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.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3782-OE.

Signature Control No: 191872910-197455698

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

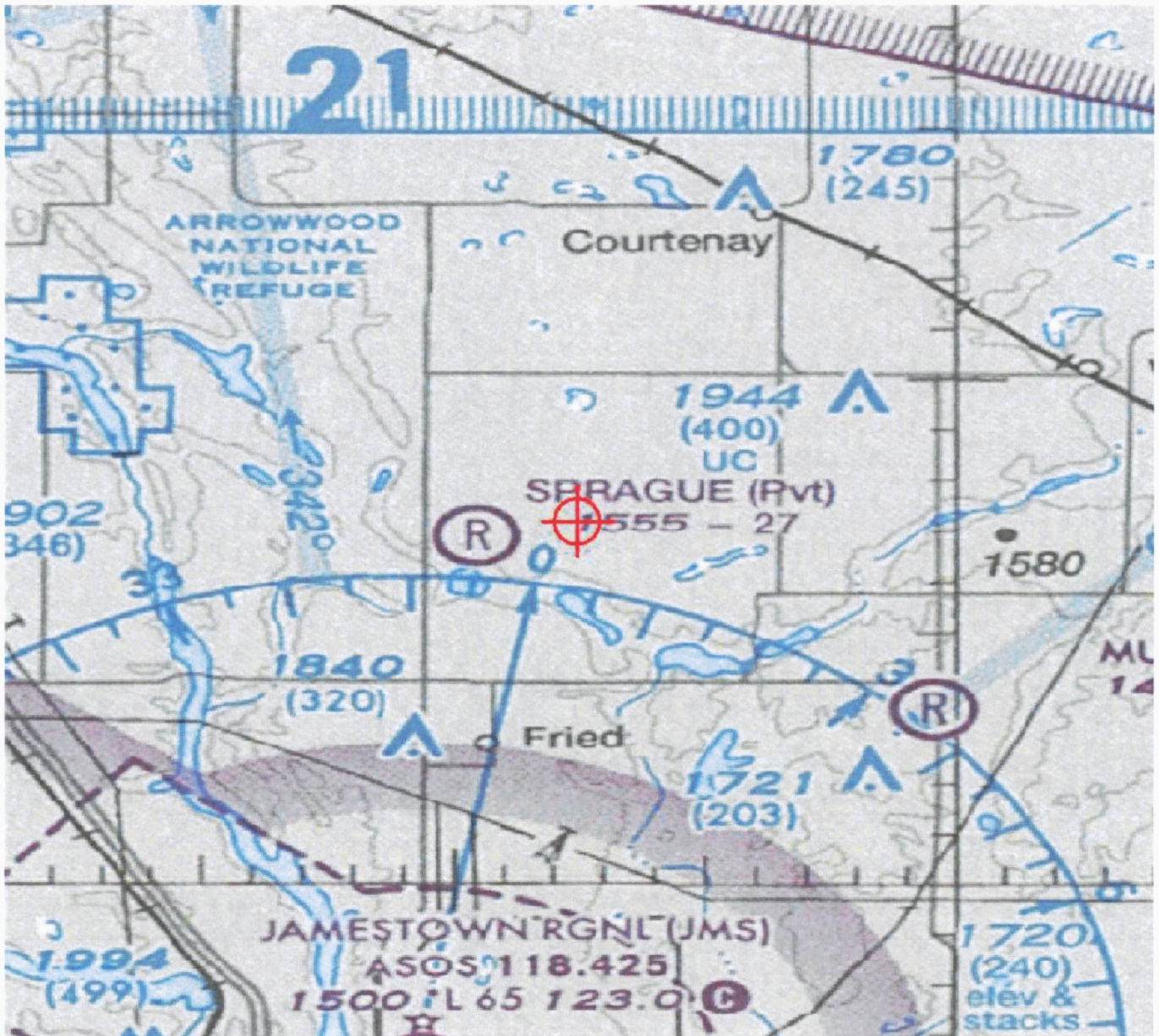
Additional information for ASN 2013-WTE-3782-OE

Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. ANY change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project. In particular, the removal of previously planned or built turbines/turbine locations from the project will often result in a change in the marking/lighting recommendation for other turbines within the project. It is the proponent's responsibility to contact the FAA to discuss the process for developing a revised obstruction marking and lighting plan should this occur.

Obstruction lights, for those structures for which lights have been recommended, should be installed and operational once the structure has reached the height for which lights are required, in this case 200 ft. AGL. Lights Out NOTAMs (Notices to Airmen) are NOT intended to be a substitution for operational lighting during project construction.

Synchronization is a critical component of the reduced lighting scheme. If synchronization is absolutely not feasible until the project is completed, for aviation safety, it should be accomplished immediately upon completion of the final lighted turbine.







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Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2013-WTE-3783-OE

Issued Date: 09/04/2013

Cody Jenson
Cody: Geronimo Wind Energy
7650 Edinborough Way #725
Edina, MN 55435

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

The Federal Aviation Administration has conducted 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: Wind Turbine 2
Location: Courtenay, ND
Latitude: 47-07-14.08N NAD 83
Longitude: 98-37-51.62W
Heights: 1549 feet site elevation (SE)
499 feet above ground level (AGL)
2048 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2048 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Additional wind turbines or met towers proposed in the future may cause a cumulative effect on the national airspace system. This determination is based, in part, on the foregoing description which includes specific coordinates and heights . Any changes in coordinates will void this determination. Any future construction or alteration 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.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3783-OE.

Signature Control No: 191872911-197455524

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

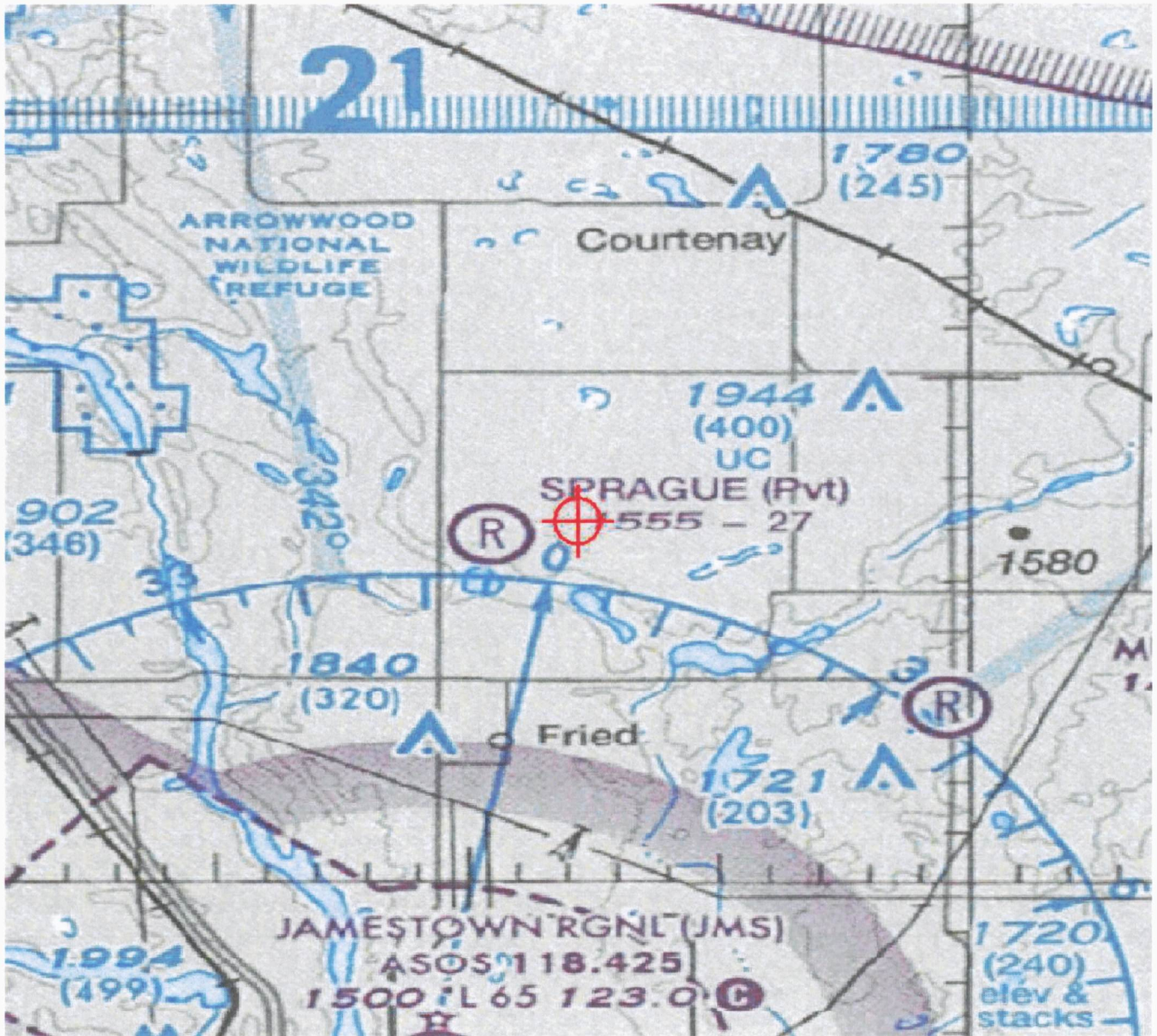
Additional information for ASN 2013-WTE-3783-OE

Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. ANY change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project. In particular, the removal of previously planned or built turbines/turbine locations from the project will often result in a change in the marking/lighting recommendation for other turbines within the project. It is the proponent's responsibility to contact the FAA to discuss the process for developing a revised obstruction marking and lighting plan should this occur.

Obstruction lights, for those structures for which lights have been recommended, should be installed and operational once the structure has reached the height for which lights are required, in this case 200 ft. AGL. Lights Out NOTAMs (Notices to Airmen) are NOT intended to be a substitution for operational lighting during project construction.

Synchronization is a critical component of the reduced lighting scheme. If synchronization is absolutely not feasible until the project is completed, for aviation safety, it should be accomplished immediately upon completion of the final lighted turbine.







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Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2013-WTE-3784-OE

Issued Date: 09/04/2013

Cody Jenson
Cody: Geronimo Wind Energy
7650 Edinborough Way #725
Edina, MN 55435

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

The Federal Aviation Administration has conducted 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:	Wind Turbine 3
Location:	Courtenay, ND
Latitude:	47-07-17.50N NAD 83
Longitude:	98-37-12.04W
Heights:	1562 feet site elevation (SE) 499 feet above ground level (AGL) 2061 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2061 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Additional wind turbines or met towers proposed in the future may cause a cumulative effect on the national airspace system. This determination is based, in part, on the foregoing description which includes specific coordinates and heights . Any changes in coordinates will void this determination. Any future construction or alteration 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.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3784-OE.

Signature Control No: 191872912-197455539

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2013-WTE-3784-OE

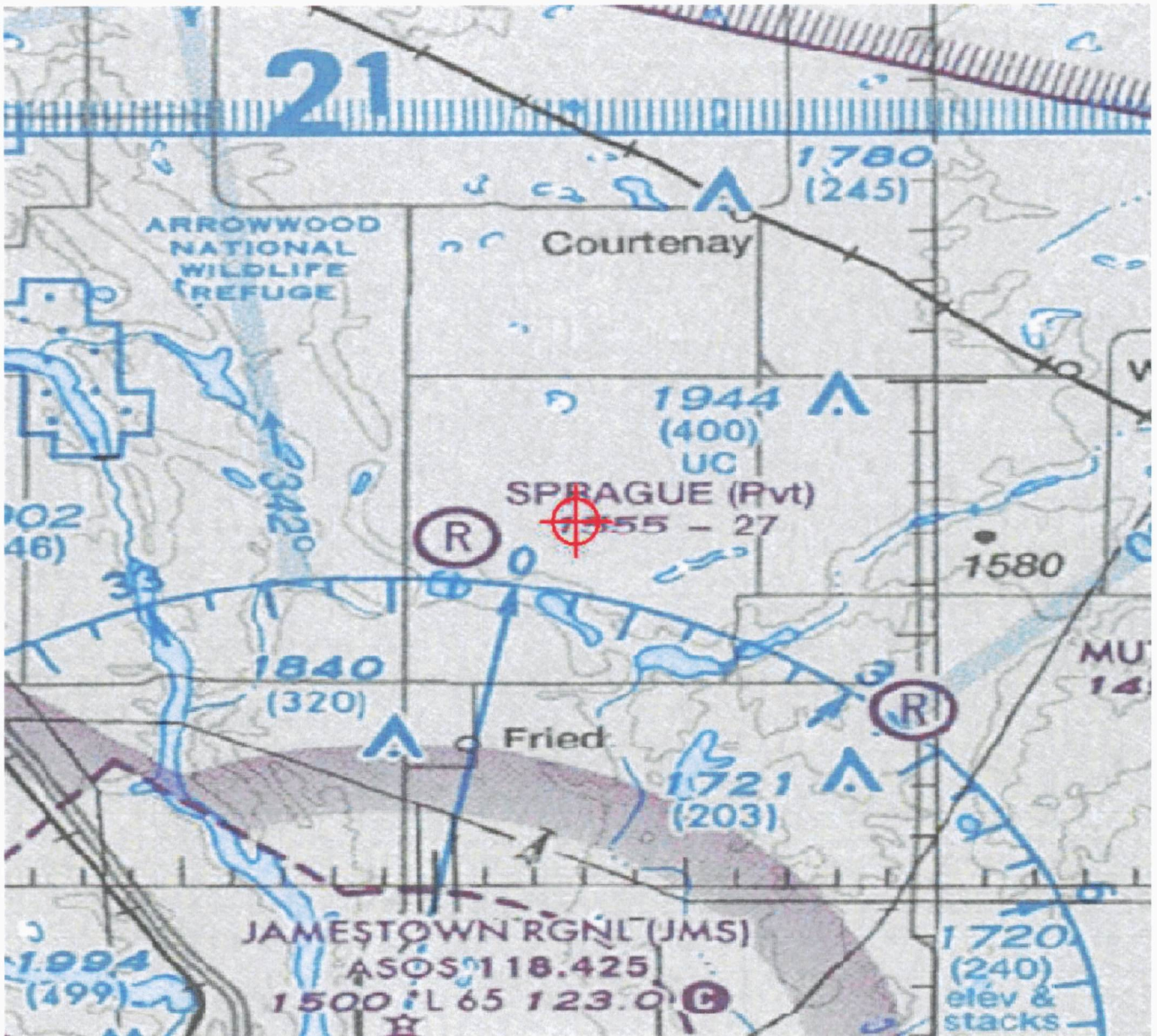
Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. ANY change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project. In particular, the removal of previously planned or built turbines/turbine locations from the project will often result in a change in the marking/lighting recommendation for other turbines within the project. It is the proponent's responsibility to contact the FAA to discuss the process for developing a revised obstruction marking and lighting plan should this occur.

Obstruction lights, for those structures for which lights have been recommended, should be installed and operational once the structure has reached the height for which lights are required, in this case 200 ft. AGL. Lights Out NOTAMs (Notices to Airmen) are NOT intended to be a substitution for operational lighting during project construction.

Synchronization is a critical component of the reduced lighting scheme. If synchronization is absolutely not feasible until the project is completed, for aviation safety, it should be accomplished immediately upon completion of the final lighted turbine.

1 JPO Map for ASN 2013-WTE-3784-GE







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 Obstruction Evaluation Group
 2601 Meacham Boulevard
 Fort Worth, TX 76137

Aeronautical Study No.
 2013-WTE-3785-OE

Issued Date: 09/04/2013

Cody Jenson
 Cody: Geronimo Wind Energy
 7650 Edinborough Way #725
 Edina, MN 55435

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

The Federal Aviation Administration has conducted 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: Wind Turbine 4
 Location: Courtenay, ND
 Latitude: 47-07-34.70N NAD 83
 Longitude: 98-33-36.37W
 Heights: 1552 feet site elevation (SE)
 499 feet above ground level (AGL)
 2051 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2051 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Additional wind turbines or met towers proposed in the future may cause a cumulative effect on the national airspace system. This determination is based, in part, on the foregoing description which includes specific coordinates and heights . Any changes in coordinates will void this determination. Any future construction or alteration 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.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3785-OE.

Signature Control No: 191872913-197455533

(DNE -WT)

Donna O'Neill
Specialist

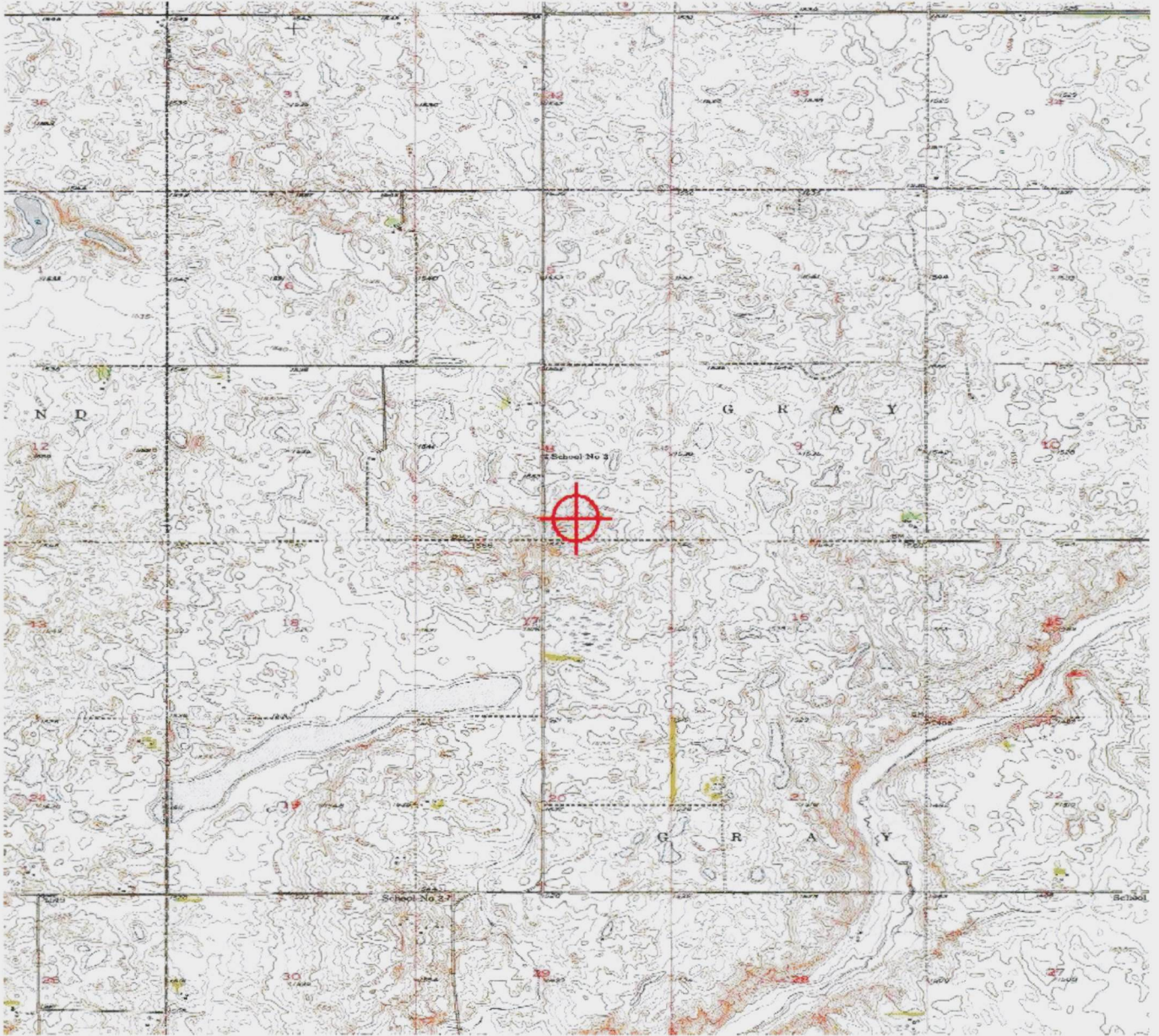
Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2013-WTE-3785-OE

Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. ANY change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project. In particular, the removal of previously planned or built turbines/turbine locations from the project will often result in a change in the marking/lighting recommendation for other turbines within the project. It is the proponent's responsibility to contact the FAA to discuss the process for developing a revised obstruction marking and lighting plan should this occur.

Obstruction lights, for those structures for which lights have been recommended, should be installed and operational once the structure has reached the height for which lights are required, in this case 200 ft. AGL. Lights Out NOTAMs (Notices to Airmen) are NOT intended to be a substitution for operational lighting during project construction.

Synchronization is a critical component of the reduced lighting scheme. If synchronization is absolutely not feasible until the project is completed, for aviation safety, it should be accomplished immediately upon completion of the final lighted turbine.







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Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2013-WTE-3786-OE

Issued Date: 09/04/2013

Cody Jenson
Cody: Geronimo Wind Energy
7650 Edinborough Way #725
Edina, MN 55435

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

The Federal Aviation Administration has conducted 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: Wind Turbine 5
Location: Courtenay, ND
Latitude: 47-07-35.03N NAD 83
Longitude: 98-33-19.85W
Heights: 1552 feet site elevation (SE)
499 feet above ground level (AGL)
2051 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2051 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Additional wind turbines or met towers proposed in the future may cause a cumulative effect on the national airspace system. This determination is based, in part, on the foregoing description which includes specific coordinates and heights . Any changes in coordinates will void this determination. Any future construction or alteration 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.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3786-OE.

Signature Control No: 191872914-197455540

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

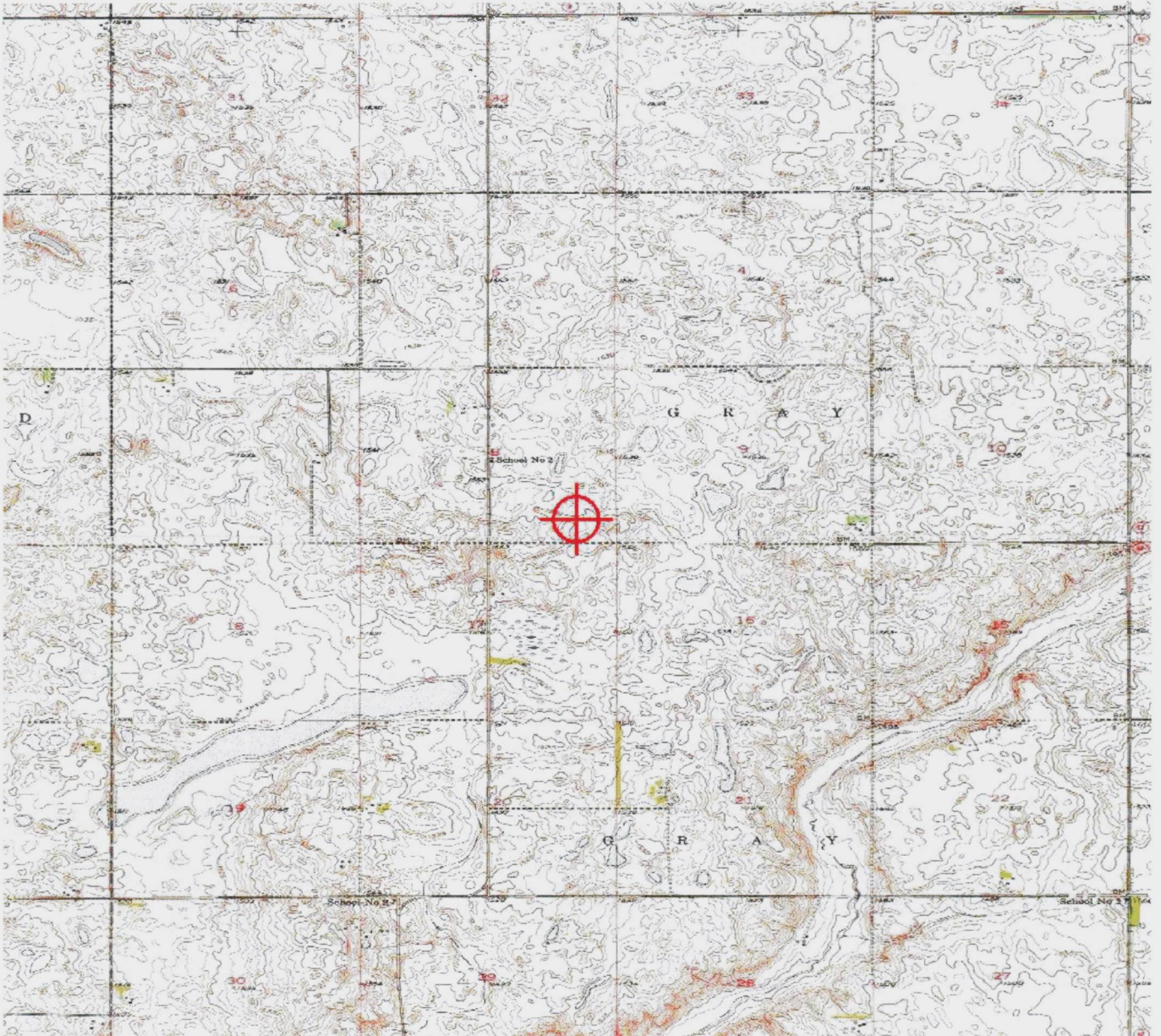
Additional information for ASN 2013-WTE-3786-OE

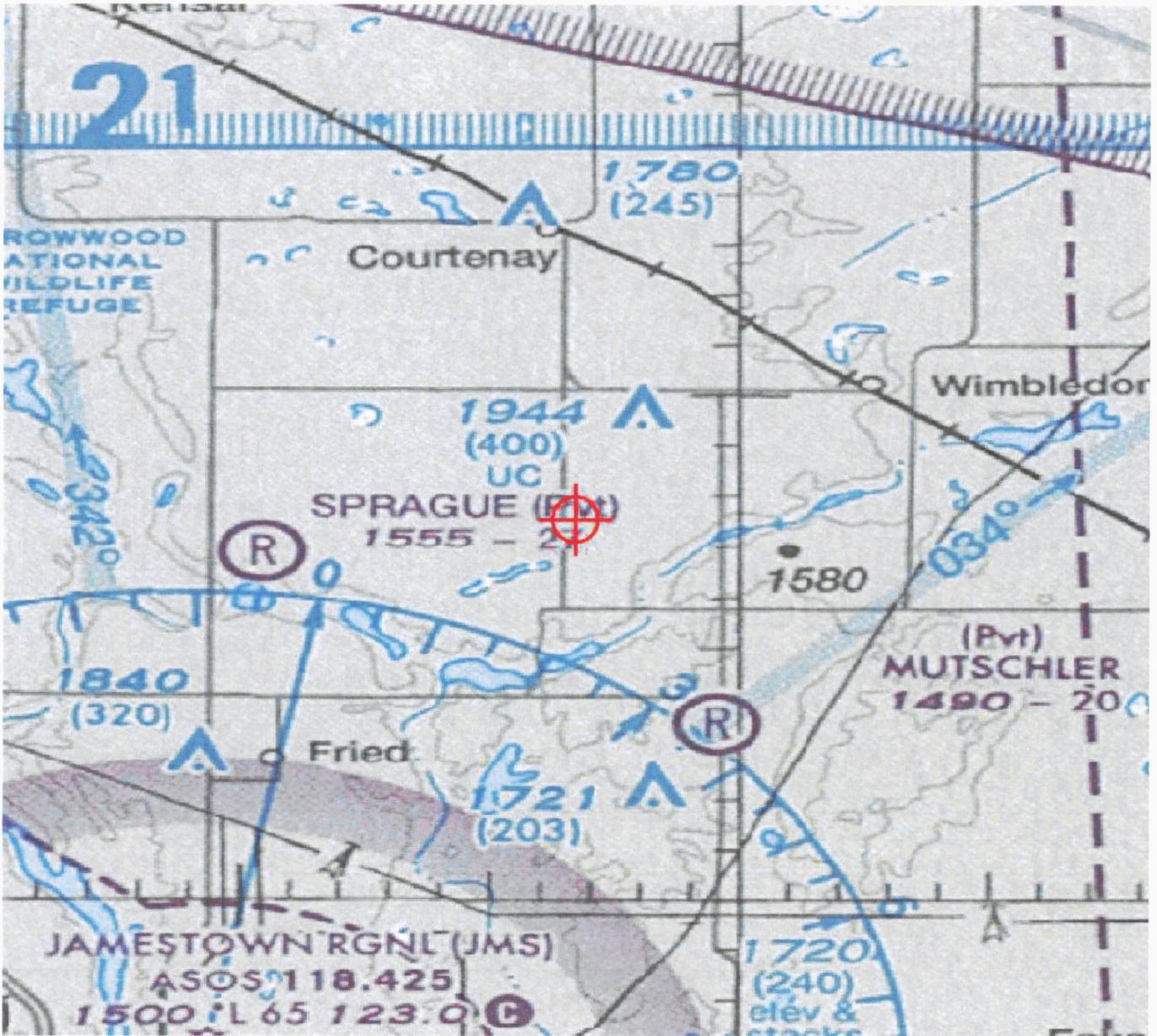
Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. ANY change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project. In particular, the removal of previously planned or built turbines/turbine locations from the project will often result in a change in the marking/lighting recommendation for other turbines within the project. It is the proponent's responsibility to contact the FAA to discuss the process for developing a revised obstruction marking and lighting plan should this occur.

Obstruction lights, for those structures for which lights have been recommended, should be installed and operational once the structure has reached the height for which lights are required, in this case 200 ft. AGL. Lights Out NOTAMs (Notices to Airmen) are NOT intended to be a substitution for operational lighting during project construction.

Synchronization is a critical component of the reduced lighting scheme. If synchronization is absolutely not feasible until the project is completed, for aviation safety, it should be accomplished immediately upon completion of the final lighted turbine.

JPO Map for ASN 2013-WTE-3786-CL







Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 2601 Meacham Boulevard
 Fort Worth, TX 76137

Aeronautical Study No.
 2013-WTE-3787-OE

Issued Date: 09/04/2013

Cody Jenson
 Cody: Geronimo Wind Energy
 7650 Edinborough Way #725
 Edina, MN 55435

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

The Federal Aviation Administration has conducted 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:	Wind Turbine 6
Location:	Courtenay, ND
Latitude:	47-07-36.22N NAD 83
Longitude:	98-34-12.57W
Heights:	1562 feet site elevation (SE) 499 feet above ground level (AGL) 2061 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2061 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

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If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3787-OE.

Signature Control No: 191872915-197455541

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

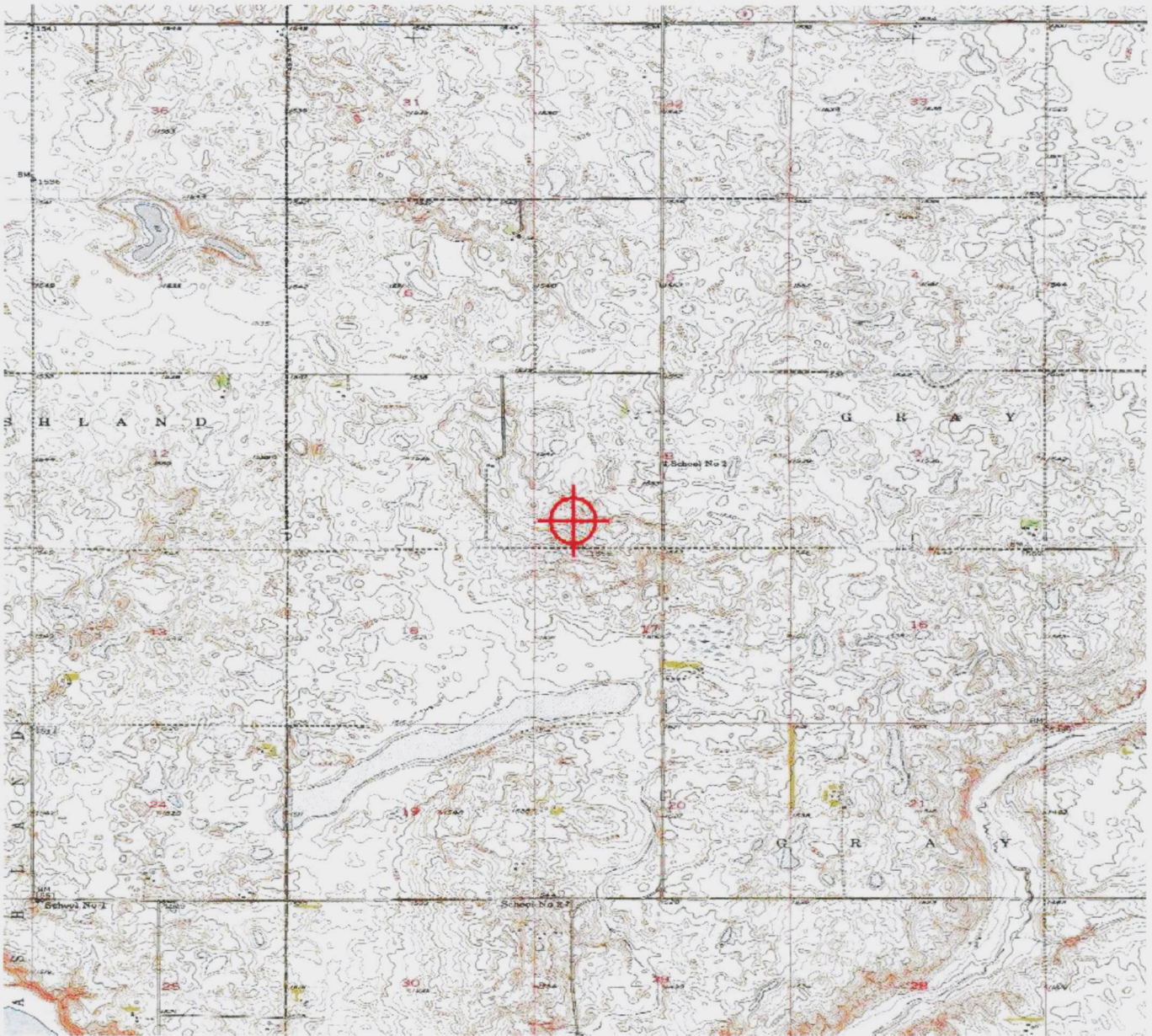
Additional information for ASN 2013-WTE-3787-OE

Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. ANY change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project. In particular, the removal of previously planned or built turbines/turbine locations from the project will often result in a change in the marking/lighting recommendation for other turbines within the project. It is the proponent's responsibility to contact the FAA to discuss the process for developing a revised obstruction marking and lighting plan should this occur.

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Synchronization is a critical component of the reduced lighting scheme. If synchronization is absolutely not feasible until the project is completed, for aviation safety, it should be accomplished immediately upon completion of the final lighted turbine.

IOPPO Map for ASN 2013-WTE-3787-GE







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2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2013-WTE-3788-OE

Issued Date: 09/04/2013

Cody Jenson
Cody: Geronimo Wind Energy
7650 Edinborough Way #725
Edina, MN 55435

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

The Federal Aviation Administration has conducted 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:	Wind Turbine 7
Location:	Courtenay, ND
Latitude:	47-07-36.56N NAD 83
Longitude:	98-33-56.05W
Heights:	1562 feet site elevation (SE) 499 feet above ground level (AGL) 2061 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint only - Chapters 12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2061 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

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If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3788-OE.

Signature Control No: 191872916-197455703

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

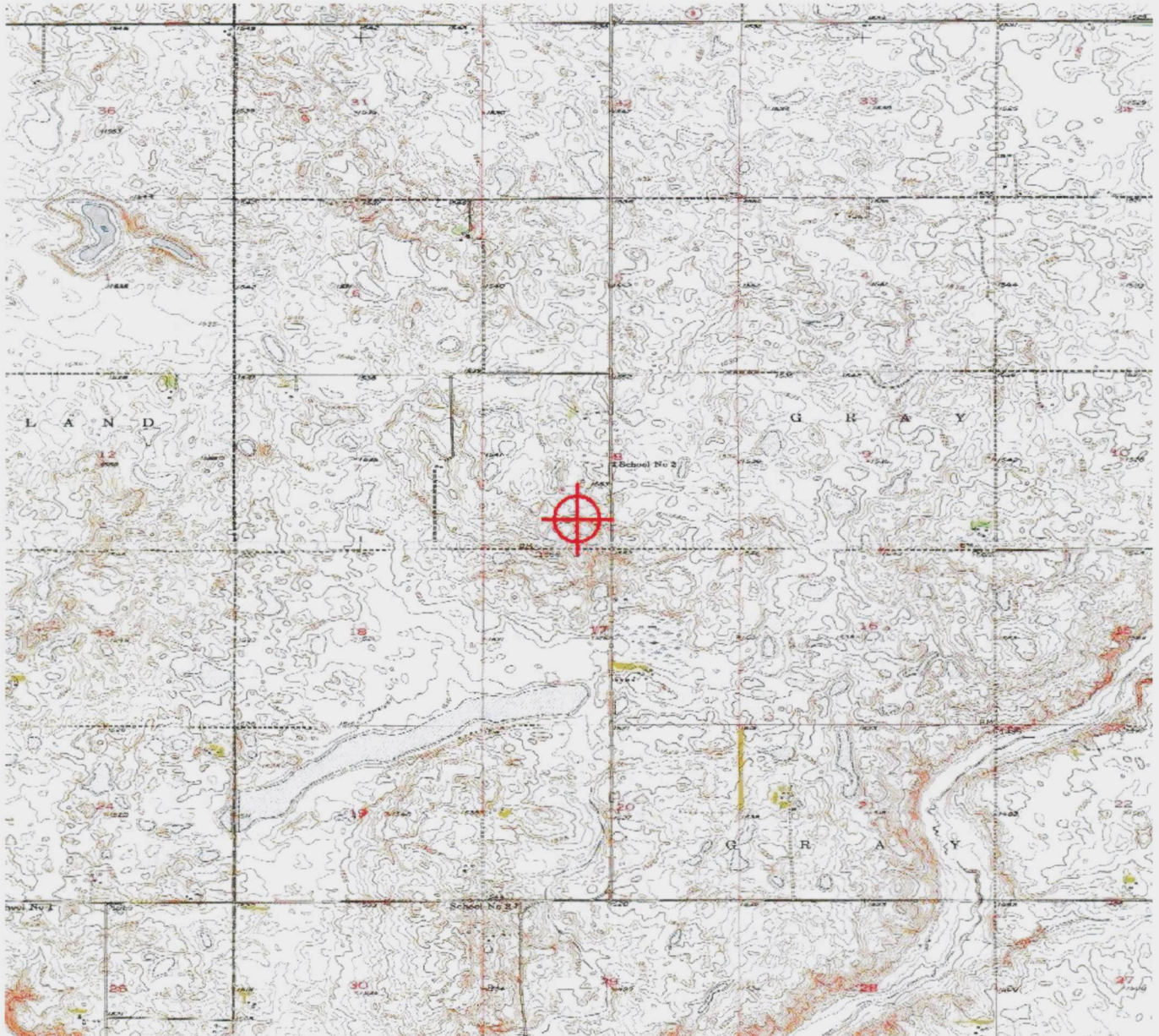
Additional information for ASN 2013-WTE-3788-OE

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1 OPO Map for ASN 2013-WTE-3788-Ge







Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2013-WTE-3789-OE

Issued Date: 09/04/2013

Cody Jenson
Cody: Geronimo Wind Energy
7650 Edinborough Way #725
Edina, MN 55435

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

The Federal Aviation Administration has conducted 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: Wind Turbine 8
Location: Courtenay, ND
Latitude: 47-07-36.74N NAD 83
Longitude: 98-34-46.47W
Heights: 1529 feet site elevation (SE)
499 feet above ground level (AGL)
2028 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2028 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

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If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3789-OE.

Signature Control No: 191872917-197455523

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

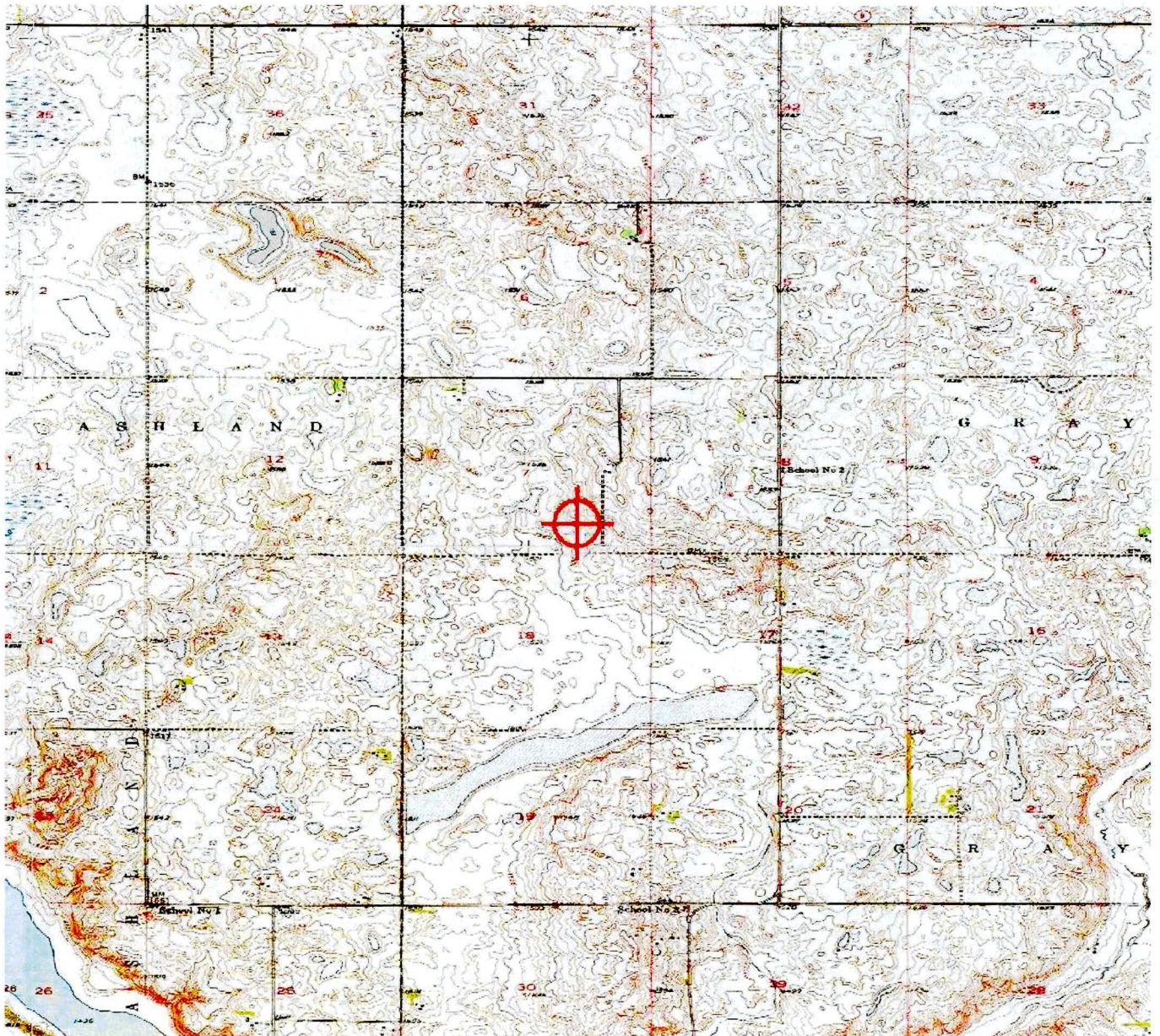
Additional information for ASN 2013-WTE-3789-OE

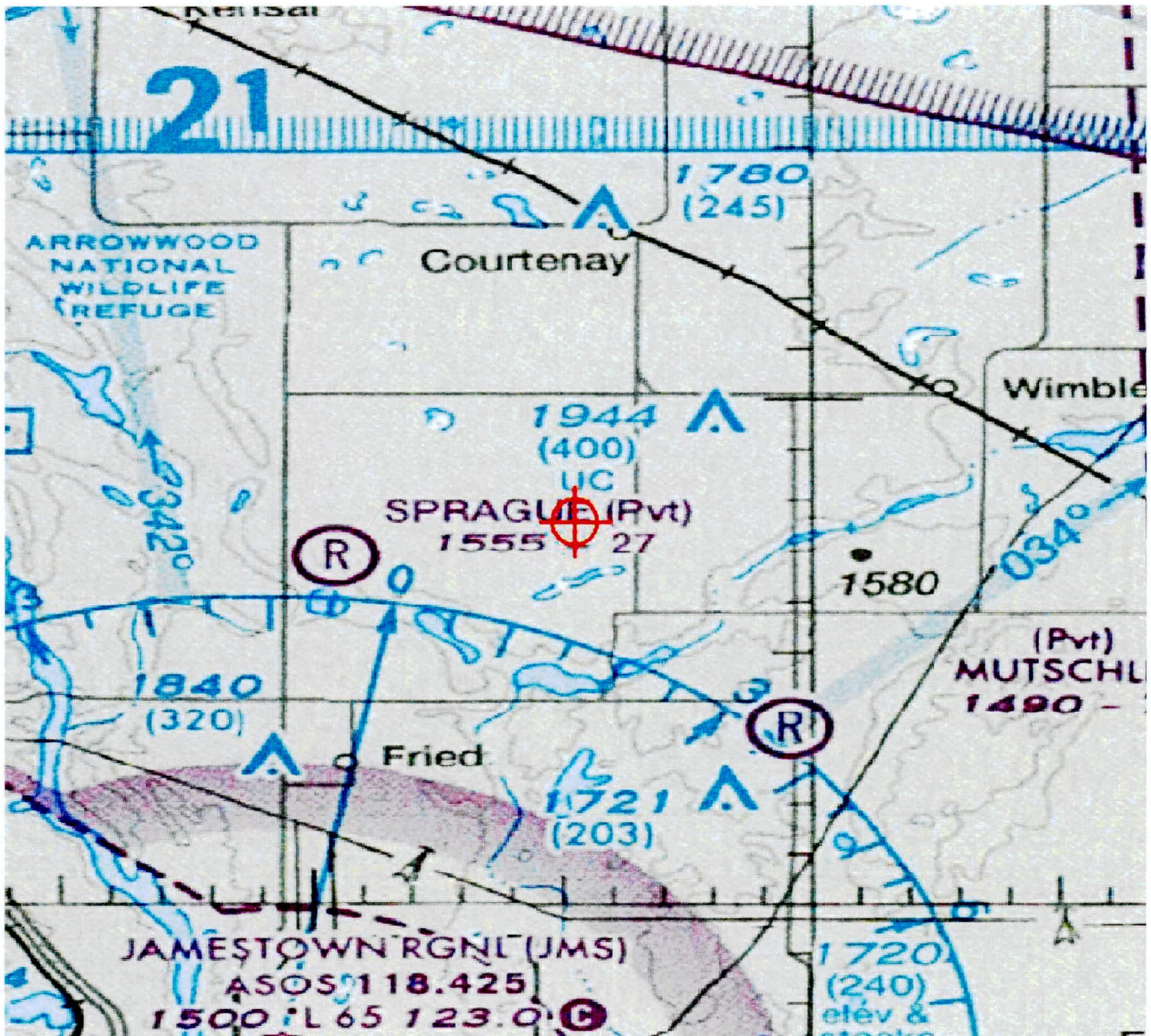
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TOPO Map for ASN 2013-WTE-3789-OE







Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 2601 Meacham Boulevard
 Fort Worth, TX 76137

Aeronautical Study No.
 2013-WTE-3790-OE

Issued Date: 09/04/2013

Cody Jenson
 Cody: Geronimo Wind Energy
 7650 Edinborough Way #725
 Edina, MN 55435

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

The Federal Aviation Administration has conducted 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: Wind Turbine 9
 Location: Courtenay, ND
 Latitude: 47-07-36.88N NAD 83
 Longitude: 98-34-29.37W
 Heights: 1568 feet site elevation (SE)
 499 feet above ground level (AGL)
 2067 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:

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It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed 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)

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2067 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

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If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3790-OE.

Signature Control No: 191872918-197455700

Donna O'Neill
Specialist

(DNE -WT)

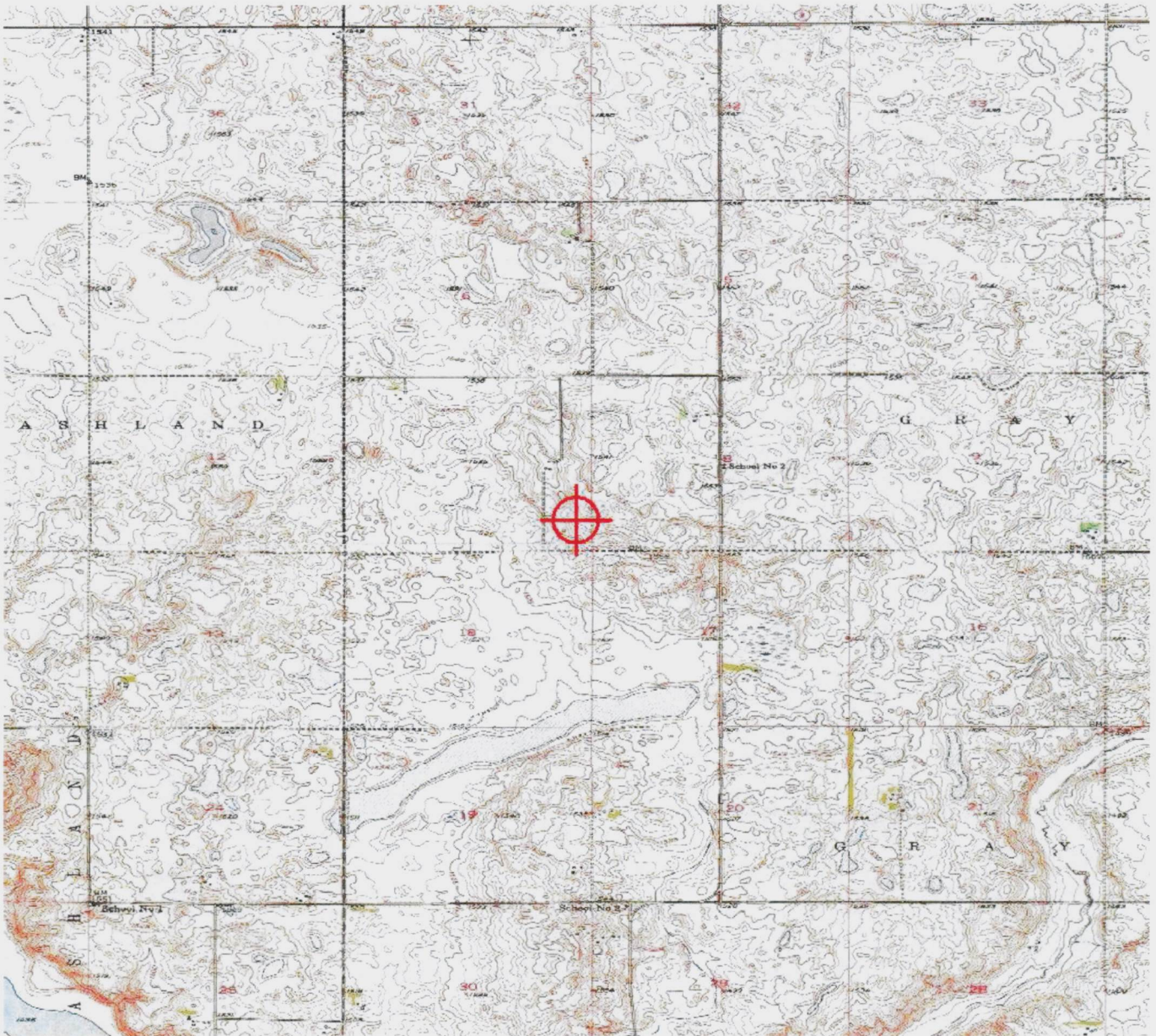
Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2013-WTE-3790-OE

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Mail Processing Center
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Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2013-WTE-3791-OE

Issued Date: 09/04/2013

Cody Jenson
Cody: Geronimo Wind Energy
7650 Edinborough Way #725
Edina, MN 55435

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

The Federal Aviation Administration has conducted 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:	Wind Turbine 10
Location:	Courtenay, ND
Latitude:	47-07-42.23N NAD 83
Longitude:	98-38-00.23W
Heights:	1545 feet site elevation (SE) 499 feet above ground level (AGL) 2044 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/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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

See attachment for additional condition(s) or information.

Any height exceeding 499 feet above ground level (2044 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/04/2015 unless:

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Signature Control No: 191872919-197455532

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

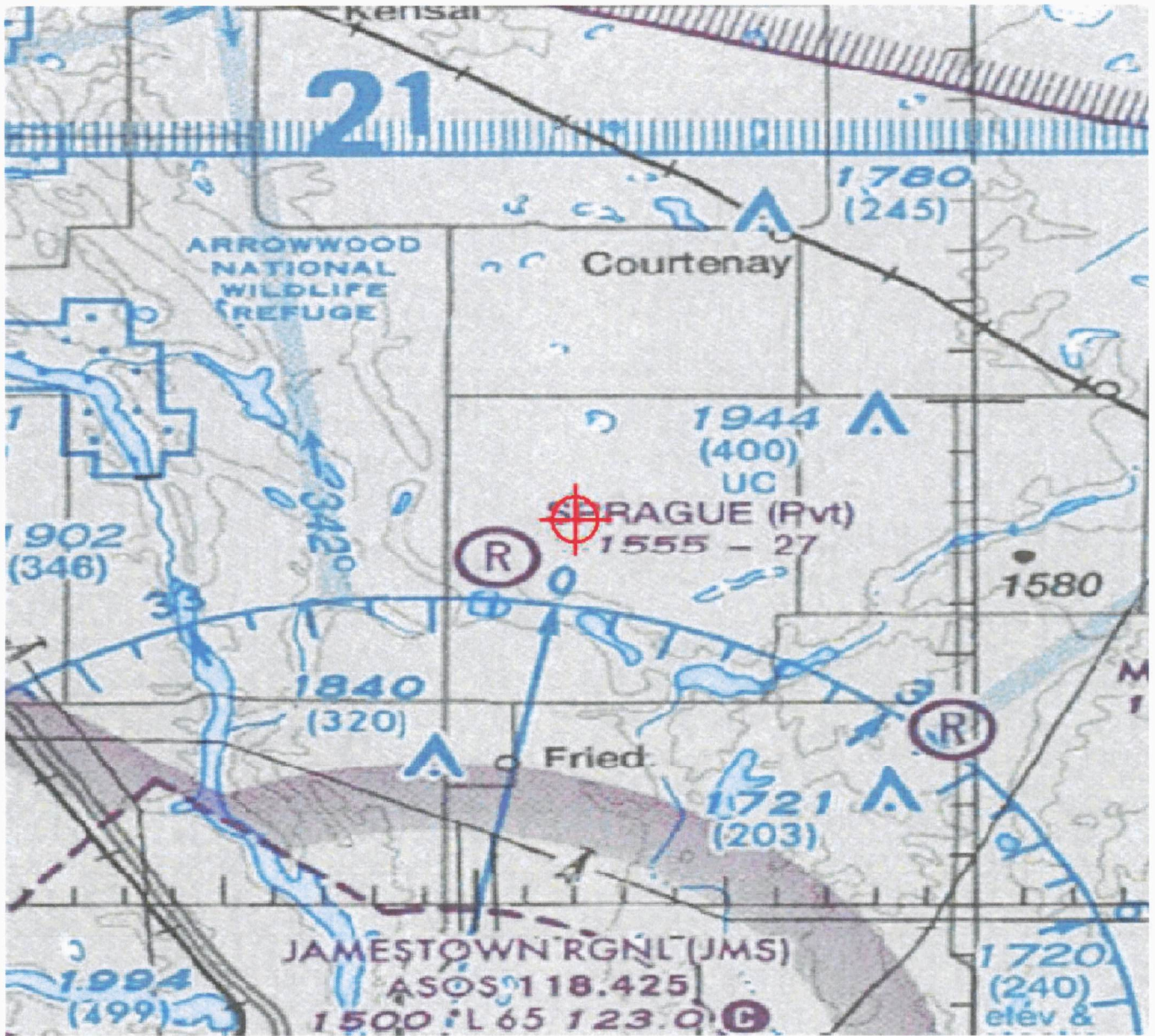
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Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2013-WTE-3792-OE

Issued Date: 09/04/2013

Cody Jenson
Cody: Geronimo Wind Energy
7650 Edinborough Way #725
Edina, MN 55435

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

The Federal Aviation Administration has conducted 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: Wind Turbine 11
Location: Courtenay, ND
Latitude: 47-07-47.64N NAD 83
Longitude: 98-37-45.16W
Heights: 1539 feet site elevation (SE)
499 feet above ground level (AGL)
2038 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:

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

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Any height exceeding 499 feet above ground level (2038 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

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If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-WTE-3792-OE.

Signature Control No: 191872920-197455526

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2013-WTE-3792-OE

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2014 Pre-Construction Tree and Shrub Inventory

**Courtenay Wind Farm
Stutsman County, North Dakota**



Prepared for



Prepared by



March 2014

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1.0 BACKGROUND

The North Dakota Public Service Commission (NDPSC) order for Courtenay Wind Farm, LLC, Case No. PU-13-64, dated November 13, 2013, requires compliance with the “Tree and Shrub Mitigation Specifications.” These Tree and Shrub Mitigation Specifications are provided below. These specifications required that:

1. Trees and shrubs anticipated to be cleared must be inventoried by direct count rather or by sampling. Use of the direct count inventory method at Courtenay avoided the need for NDPSC approval of a sampling plan.
2. The specifications require replacement of cleared trees regardless of whether they occurred inside or outside the permanent right-of-way.
3. Shrubs cleared from the permanent right-of-way require replacement. Shrubs cleared from outside the permanent right-of-way require replacement only if “native topsoil is not preserved and replaced” (i.e., if the shrub seed bank and root stocks are not left intact).

2.0 TREE AND SHRUB MITIGATION SPECIFICATIONS

2.1 Inventory

1. Trees and shrubs anticipated to be cleared, including those that are considered invasive species or noxious weeds (e.g., *Caragana arborescens*, *Elaeagnus angustifolia*, *Rhamnus cathartica*, *Tamarix chinensis*, *T. parviflora*, *T. ramosissima*, *Ulmus pumila*), must be inventoried before cutting. The inventory must record the location, number, and species of trees and shrubs.
2. In windbreaks, shelterbelts and other planted areas, trees or shrubs anticipated to be cleared, regardless of size, must be inventoried for replacement.
3. In native growth areas, trees anticipated to be cleared that are 1 inch diameter at breast height (dbh) or greater must be inventoried for replacement.
4. In native growth areas, shrubs anticipated to be cleared in the permanent right-of-way must be inventoried for replacement.
5. In native growth areas outside the permanent right-of-way, shrubs must be cut flush with the surface of the ground, taking care to leave the naturally occurring seed bank and root stock intact. If soil disturbance is necessary, the native topsoil must be preserved and replaced after construction. Shrubs must be allowed to regenerate naturally where native topsoil is preserved and replaced. Where native topsoil is not preserved and replaced, shrubs anticipated to be cleared must be inventoried for replacement.
6. In native growth areas, trees and shrubs may be inventoried by actual count or by a sampling method that will properly represent the woody vegetation population. A sampling plan developed by the company, filed with the NDPSC and approved prior to the start of construction must define the sampling method to be used for trees, for tall shrubs and for low shrubs. The data from the sample plots must be extrapolated to the total acreage of the wooded area to be cleared to determine the species and quantity of trees and shrubs to be replaced.

2.2 Clearing for Construction

7. Trees and shrubs must be selectively cleared, leaving mature trees and shrubs intact where practical.
8. The maximum width of clear cuts through windbreaks, shelterbelts and all other wooded areas is 50 feet, unless otherwise approved by the NDPSC.
9. If the area of trees or shrubs actually cleared differs from the area inventoried, the difference in number of trees and shrubs to be replaced must be noted on the inventory.

2.3 Replacement

10. Prior to tree and shrub replacement, documentation identifying the number and variety of trees and shrubs removed, as well as the mitigation plan for the proposed number, variety, type, location and date of replacement plantings, must be filed with the NDPSC for approval.
11. Two 2-year-old saplings must be planted for every one tree removed. Two shrubs (stem cuttings) must be planted for every one shrub removed.
12. Except in the case of invasive or noxious species, trees and shrubs must be replaced by the same species or similar species, suitable for North Dakota growing conditions as recommended by the North Dakota Forest Service. Invasive or noxious species must be replaced by similar non-invasive or non-noxious species suitable for North Dakota growing conditions as recommended by the North Dakota Forest Service.
13. Landowners must be given the option of having replacement trees and shrubs planted on the landowner's property, either on or off the right-of-way. The landowner must also be given the opportunity to waive those options in writing in order to have replacement trees and shrubs planted off the landowner's property.
14. At the conclusion of the project, documentation identifying the actual number, variety, type, location and date of the replacement plantings must be filed with the NDPSC.
15. Tree and shrub replacements must be inspected annually, in September, for three years. The first annual inspection must be at least one year from the anniversary date of the original plantings. A report of each annual inspection must be submitted to the NDPSC by October 1 of each year, documenting the condition of plantings and any woodlands work completed as of September of each year. If after the third annual report the survival rate is less than 75%, the NDPSC may order additional planting(s).

3.0 TREE AND SHRUB INVENTORY METHODS

Tetra Tech inventoried trees and shrubs anticipated to be cleared by Courtenay Wind Farm by completing the following activities:

1. Prepared a geographic information systems (GIS) layer that includes the 113 proposed turbine locations, access roads, collection lines, and the substation.
2. Added a 250-foot buffer (500-ft diameter) to turbine locations and a 25-foot buffer (50-ft width) to access roads and collection lines to create the tree and shrub survey corridor.

3. Identified potential tree and shrub removal locations by reviewing the survey corridor overlaid on high resolution aerial photography in a GIS. The entire corridor was reviewed at scales approximating 1 inch = 60 feet to 1 inch = 100 feet.
4. Prepared and overall field maps of the entire project corridor and more detailed maps of specific locations of potential trees and shrubs.
5. Drove roads in the Project area to review the survey corridor and determine locations of tree and shrub removal.
6. Walked to each tree and shrub removal location, flagged the limits of tree and shrub removal locations within the survey/construction corridor using a sub-meter accuracy GPS unit and plastic ribbon, and completed direct counts of trees measuring at least 1 inch in dbh and shrubs located in the corridor.

4.0 RESULTS

4.1 Desktop Review

The desktop review performed on March 13, 2014 conservatively estimated that the Project corridor could include up to 26 locations of trees and shrubs. However, only 10 of these 26 areas included trees or large shrubs that were verified through aerial photograph interpretation.

4.2 Field Inventory

The field tree and shrub inventory performed on March 18, 2014 revealed that only nine of the 10 potential tree and shrub locations included trees and shrubs located within the construction corridor (Table 1).

Table 1. Desktop and Field Tree and Shrub Location Inventory

Location	Desktop Inventory Notes	Field Inventory Notes	Trees and/or Shrubs Inventoried
1	Potential shrubs	Grass clumps by roadside	No
2	Potential shrubs	Grass patch surrounding old windmill	No
3	Potential shrubs	Fence line with herbaceous vegetation	No
4	Potential shrubs	Fence line with tall grass	No
5	Potential shrubs	Grass in roadside	No
6	Potential shrubs	Grass in roadside	No
7	Potential shrubs	Grass field near wetland	No
8	Potential shrubs	One black willow outside construction limits	No
9	Potential shrubs	Fence line with cattails and reed grasses	No
10	Potential shrubs	Roadside with herbaceous vegetation	No
11	Potential shrubs	Grass in roadside	No
12	Potential shrubs	Rock pile with herbaceous vegetation	No
13	Tree(s)	One tree on rock pile	Yes

Table 1. Desktop and Field Tree and Shrub Location Inventory

Location	Desktop Inventory Notes	Field Inventory Notes	Trees and/or Shrubs Inventoried
14	Potential shrubs	Wetland edge, herbaceous vegetation	No
15	Potential shrubs	Roadside with grass and snow	No
16	Tree(s)	Field shelterbelt with trees	Yes
17	Tree(s)	Field shelterbelt with trees	Yes
18	Tree(s)	Cottonwood stump at field edge	No
19	Tree(s)	Field shelterbelt with trees	Yes
20	Tree(s)	Shrub planting near roadside	Yes
21	Tree(s)	Field shrub shelterbelt	Yes
22	Tree(s)	Shrub planting near roadside	Yes
23	Tree(s)	Shrub planting near roadside	Yes
24	Tree(s)	Trees and shrubs outside construction limits	No
25	Dead trees in wetland	Dead trees in wetland	Yes
26	Potential shrubs	Grass in roadside	No

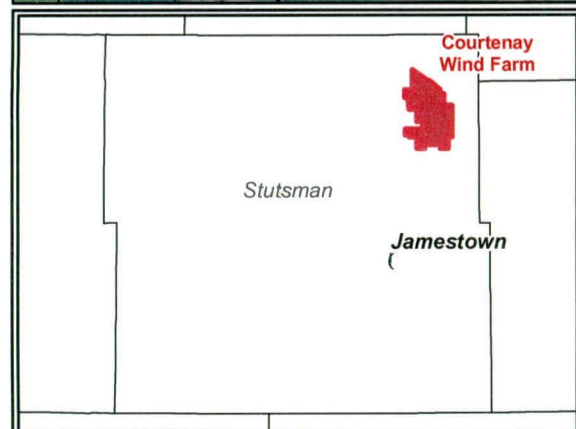
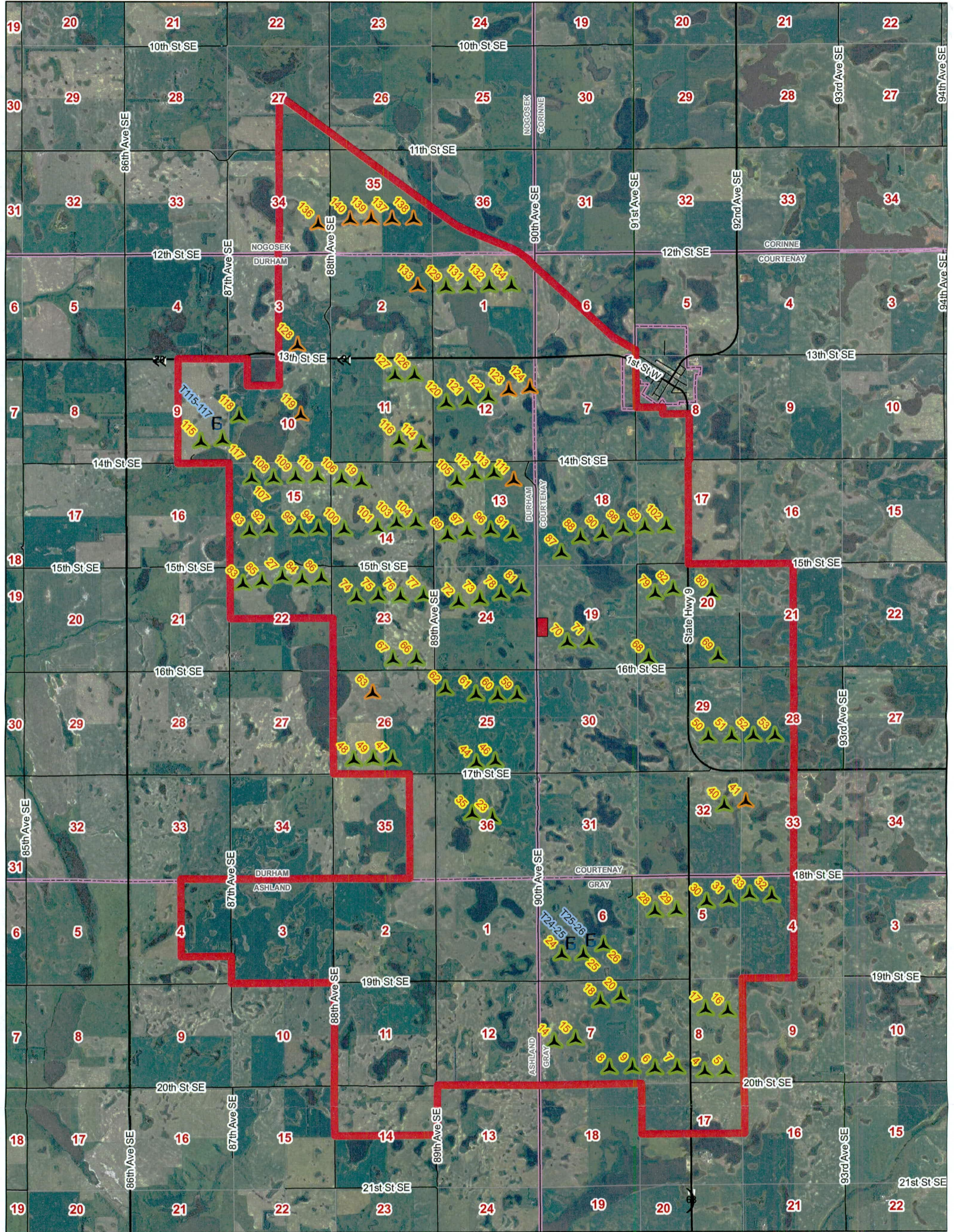
Tetra Tech inventoried a total of 66 trees and 78 shrubs within the construction corridor (Table 2). Of the 66 trees inventoried, 28 were dead. The NDPSC Tree and Shrub Mitigation Specifications do not specify whether dead trees require replacement, it will be necessary to request clarification of replacement requirements with the NDPSC staff.

Table 2. Field Tree and Shrub Inventory






Location	Quarter Section	Twp.	Rng.	Number of		Type	Condition
				Trees	Shrubs		
13	SE ¼ Sec. 13	T143N	R63W	1	0	Siberian elm	Healthy
16	NW ¼ Sec. 24	T143N	R63W	3	0	Boxelder	Fire scars
16	NW ¼ Sec. 24	T143N	R63W	2	0	Boxelder	Dead
16	NW ¼ Sec. 24	T143N	R63W	6	0	Green ash	Healthy
16	NW ¼ Sec. 24	T143N	R63W	1	0	Green ash	Damaged
16	NW ¼ Sec. 24	T143N	R63W	1	0	Green ash	Dead
16	NW ¼ Sec. 24	T143N	R63W	2	0	White oak	Healthy
16	NW ¼ Sec. 24	T143N	R63W	1	0	Ponderosa pine	Dead
16	NW ¼ Sec. 24	T143N	R63W	0	20	Gray dogwood	Healthy
17	SE ¼ Sec. 25	T143N	R63W	1	0	Green ash	Healthy
17	SE ¼ Sec. 25	T143N	R63W	2	0	Ponderosa pine	Healthy
17	SE ¼ Sec. 25	T143N	R63W	0	1	Russian olive	Healthy
17	SE ¼ Sec. 25	T143N	R63W	0	2	Honeysuckle	Healthy
19	SW ¼ Sec. 26	T143N	R63W	2	0	Boxelder	Healthy

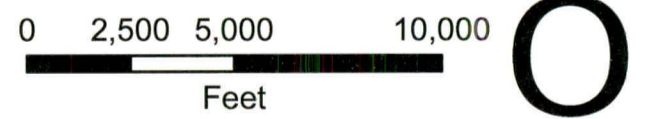
Table 2. Field Tree and Shrub Inventory

Location	Quarter Section	Twp.	Rng.	Number of		Type	Condition
				Trees	Shrubs		
19	SW ¼ Sec. 26	T143N	R63W	3	0	Siberian elm	Healthy
19	SW ¼ Sec. 26	T143N	R63W	2	0	Siberian elm	Damaged
19	SW ¼ Sec. 26	T143N	R63W	6	0	Siberian elm	Dead
19	SW ¼ Sec. 26	T143N	R63W	6	0	Green ash	Healthy
19	SW ¼ Sec. 26	T143N	R63W	2	0	Green ash	Damaged
19	SW ¼ Sec. 26	T143N	R63W	5	0	Dead, no bark	Dead
19	SW ¼ Sec. 26	T143N	R63W	0	12	Gray dogwood	Healthy
19	SW ¼ Sec. 26	T143N	R63W	0	6	Siberian pea shrub	Healthy
20	NE ¼ Sec. 36	T143N	R63W	0	1	Russian olive	Healthy
21	NW ¼ Sec. 29	T143N	R62W	2	0	Eastern cottonwood	Healthy
21	NW ¼ Sec. 29	T143N	R62W	2	0	White spruce	Healthy
21	NW ¼ Sec. 29	T143N	R62W	0	9	Lilac	Healthy
21	NW ¼ Sec. 29	T143N	R62W	0	4	Viburnum	Healthy
21	NW ¼ Sec. 29	T143N	R62W	0	3	Amur maple	Healthy
21	NW ¼ Sec. 29	T143N	R62W	0	2	Buffaloberry	Healthy
21	NW ¼ Sec. 29	T143N	R62W	0	1	Redosier dogwood	Healthy
22	SE ¼ Sec. 25	T143N	R63W	3	0	Green ash	Healthy
22	SE ¼ Sec. 25	T143N	R63W	0	3	Chokecherry	Healthy
22	SE ¼ Sec. 25	T143N	R63W	0	2	Russian olive	Healthy
22	SE ¼ Sec. 25	T143N	R63W	0	10	Buffaloberry	Healthy
23	NW ¼ Sec. 32	T143N	R62W	0	2	Russian olive	Healthy
25	NE ¼ Sec. 32	T143N	R62W	13	0	Dead, no bark	Dead
Total				66	78		



LEGEND

-  Courtenay Wind Farm
-  Primary Turbine (V100 2MW)
-  Alternative Turbine (V100 2MW)
-  Permanent Met Towers
-  Substation



Stutsman County, ND