



30 west superior street / duluth, minnesota 55802-2093 / fax: 218-723-3955 /www.allete.com

February 26, 2013

North Dakota Public Service Commission
Public Utilities Division
600 E Boulevard Ave, Dept. 408
Bismarck, ND 58505-0480



Subject: Bison 2 Wind Project
Case No. PU-11-57
Final Construction Inspection- November 7, 2012

Attn: Mr. Jerry Lein
North Dakota Public Service Commission

Gentlemen,

This letter is written in response to the Bison 1 Wind Project Post Construction Report prepared by Wenck Associates, Inc. 301 1st Street NE, Suite 202, Mandan, ND 58554 for Minnesota Power's Bison 1 Wind Project (PU-09-151).

The following is an excerpt from the subject inspection report filed to the North Dakota Public Service Commission (ND PSC) in January 2013, under Section 4.1, Project Specifications Needing Written Verification "Necessary Items"

Necessary Items

- *Federal permits as identified as necessary for the Project (or indication the permit was deemed unnecessary): FAA Form 7460-, EPA SPCC plan, US ACOE Section 404 permit.*
- *Local and State permit (or indication the permit was deemed unnecessary): Department of Health NDPES Permit and Septic Tank and Drainfield Permits, ND Department of Transportation Utility Permit, ND Highway Patrol Overheight/Overweight Permit, ND Division of Emergency Management Emergency Planning and Community Right-to-Know Act Tier II report.*
- *Decommissioning plan that was required before the Project was placed in service.*

Minnesota Powers response to each project specification under Section 4.1 "Necessary Items" are as follows:

Necessary Item:

- *Federal permits as identified as necessary for the Project (or indication the permit was deemed unnecessary): FAA Form 7460-, EPA SPCC Plan, US ACOE Section 404 permit.*

MP Response:

- ✓ Included with this response are the FAA determination letters for all Bison 1 wind turbine generators, the Bison 1 EPA SPCC Plan and the Bison 1 US ACOE- Section 404 Permit.

Necessary Item:

- *Local and State permit (or indication the permit was deemed unnecessary): Department of Health NDPES Permit and Septic Tank and Drainfield Permits, ND Department of Transportation Utility Permit, ND*

178 PU-09-151 Filed: 3/4/2013 Pages: 106
Aeronautical study reports and permits

Allete, Inc.

Daniel McCourtney



AN ALLETE COMPANY

30 west superior street / duluth, minnesota 55802-2093 / fax: 218-723-3955 /www.allete.com

Highway Patrol Overheight/Overweight Permit, ND Division of Emergency Management Emergency Planning and Community Right-to-Know Act Tier II report.

MP Response:

- ✓ The Bison 1 NDDH NPDES Permit has previously been filed with the ND PSC and been submitted again with this response.
- ✓ The Bison 1 Septic Tank and Drain field permit for the Operations and Maintenance Facility have been included with this response.
- ✓ The ND Highway Patrol Overheight/overweight permits were the responsibility of Siemens Inc. and are outside the scope of the ND PSC Order that requires Minnesota Power to file those permits.
- ✓ A NDDOT Utility Permit and ND Division of Emergency Management Emergency Planning and Community Right-to-Know ACT Teir II report were not required as part of the Bison 2 project.

Necessary Item:

- *Decommissioning plan that was required before the Project was placed in service.*

MP Response:

- ✓ A Bison 1 Decommissioning plan has previously been filed with the ND PSC and has been submitted again with this response.

If any additional information is required by the ND PSC please let me know.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Daniel McCourtney", with a stylized flourish at the end.

Daniel McCourtney
Minnesota Power
Siting and Permitting

Cc. R. Gullicks, K. Benoit, D. Moeller, J. Atkinson, M. Freudenrich (electronically)



DEPARTMENT OF THE ARMY
 CORPS OF ENGINEERS, OMAHA DISTRICT
 NORTH DAKOTA REGULATORY OFFICE
 1513 SOUTH 12TH STREET
 BISMARCK ND 58504-6640
 April 20, 2010

RECEIVED

APR 23 2009

HDR Engineering, Inc.
 NWD-2009-31

HDR Engineering, Inc.
 Attn: Lydia Nelson
 701 Xenia Avenue South, Suite 600
 Minneapolis, Minnesota 55416

Dear Ms. Nelson:

1. **Project Authorization.** We have reviewed your request, on behalf of Minnesota Power / Allele, for DA authorization to fill approximately 0.234-acres of wetlands for the purpose of constructing an access road, in conjunction with the construction of the Bison I Wind Farm. Based on the information you provided to this office, it has been determined that this project and the associated work is authorized by Department of the Army Nationwide Permit No. 14, found in the March 12, 2007 Federal Register (72 FR 11092), Re-issuance of Nationwide Permits. The enclosed fact sheet lists the General Conditions and Section 401 Water Quality Certification Requirements that must be followed for this DA authorization to remain valid. In addition, the Special Conditions listed under paragraph 6 of this letter must also be adhered to for this DA authorization to remain valid. Please note that any deviations from the original plans and specifications submitted to this office could require additional authorization from this office.

This verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2012. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

2. **Project Location.** The project is located in the NW¼ of Section 4, Township 140 North, Range 86 West, Morton County, North Dakota.

3. **Project Compliance Certification.** In compliance with General Condition 26, you are required to submit the following project compliance certification within thirty (30) days of project completion. [Please check all applicable statements.]

- I certify that I have completed the project as permitted.
- I certify that I have completed a modified version of the project.
- I certify that I have completed all required mitigation.

Permittee's Signature: _____ Date: _____

4. **Other Authorizations.** This determination is applicable only to the permit program administered by the US Army Corps of Engineers. It does not eliminate the need to obtain other Federal, Tribal, State and local approvals that may be required.

5. Responsibility. Minnesota Power / Allele is responsible for all work accomplished in accordance with the terms and conditions of this nationwide permit. If a contractor or other authorized representative will be accomplishing the work authorized by this nationwide permit on behalf of Minnesota Power / Allele, it is strongly recommended that they be provided a copy of this letter and the attached conditions so that they are aware of the limitations of the applicable nationwide permit. Any activity that fails to comply with the terms and conditions of this nationwide permit will be considered unauthorized and may result in an enforcement action.

6. Special Conditions.

[a] The permittee shall implement the Wetland Mitigation Plan attached to the permit to offset unavoidable wetland impacts associated with this project. If the mitigation area is considered to be failing, the permittee will undertake action, as directed by the Corps, to remedy the failure. Mitigation will not be considered fulfilled until you have demonstrated mitigation project success and have received written verification of that success from the Corps.

[b] The mitigation construction shall occur prior to, or concurrent with, project construction. Mitigation construction includes all work conducted in conjunction with implementation of the mitigation plan (e.g., earth moving, grading, plantings).

[c] The permittee must submit yearly monitoring reports on the status of the mitigation site to the Corps. The first report is due on November 1st after the first growing season following completion of the mitigation work. Subsequent reports shall be submitted on or before November 1st for a period of 5 years, or until the Corps determines the mitigation site to be successful. These reports shall include the following at a minimum: (1) concise narrative report that provides an overview of site conditions and functions; (2) photographs to illustrate site conditions, photo location points should also be identified on appropriate maps, dated, and clearly labeled with the direction from which the photo was taken during the normal growing season.

[d] The permittee shall notify the Corps at such time that mitigation activities have been completed so that an on-site inspection by Corps personnel can be made.

[e] The permittee shall ensure that legally binding restrictions are placed on the mitigation site to protect it. The conservation covenant, restrictive easement, or other legal mechanism used to implement these restrictions shall be submitted for approval to the Corps within 90 days.

[f] That the permittee shall report any threatened or endangered species at the project site. Notification shall be made to the North Dakota Regulatory Office by the telephone or fax within 24 hours. Written confirmation shall be provided within 48 hours if deemed necessary by the North Dakota Regulatory Office.

[g] That the permittee and/or the permittee's contractor, or any of the employees, subcontractors or other persons working in the performance of a contract or contract(s) to complete the work authorized herein, shall cease work immediately and report the discovery of any previously unknown historic or archeological remains to the North Dakota Regulatory Office. Notification shall be by telephone within 24 hours of the discovery and in writing within 48 hours. Work shall not resume until notified by the North Dakota Regulatory Office.

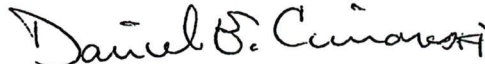
[h] That no regulated activity within waters of the United States listed Class III or higher on the 1978 Stream Evaluation Map for the State of North Dakota or on the North Dakota Game and Fish Department's website as a North Dakota Public Fishing Water shall occur between 15 April and 1 June.

7. **Additional Information.** 1978 Stream Evaluation Map and Suitable Material. Permittees are reminded that General Condition No. 6 prohibits the use of unsuitable material. In addition, organic debris, some building waste, and materials excessive in fines are not suitable material. Specific verbiage on prohibited materials and the 1978 Stream Evaluation Map for the State of North Dakota can be accessed on the North Dakota Regulatory Office's website at: <https://www.nwo.usace.army.mil/html/od-rnd/ndhome.htm>

8. **Customer Survey.** The Omaha District, North Dakota Regulatory Office is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete out Customer Service Survey found on our website at <http://per2.nwp.usace.army.mil/survey.html>. If you do not have Internet access, you may call and request a paper copy of the survey that you can complete and return to us by mail or fax.

9. **Point of Contact.** If you have any questions concerning this determination, please contact Mr. Jason Renschler of this office by letter or telephone at 701-255-0015 and reference Authorization Number NWO-2009-884-BIS.

Sincerely,



Daniel E. Cimarosti
Regulatory Program Manager
North Dakota

Enclosure
- Fact Sheet #14



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8930-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG3
 Location: New Salem, ND
 Latitude: 46-58-02.29N NAD 83
 Longitude: 101-33-14.80W
 Heights: 430 feet above ground level (AGL)
 2719 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8930-OE.

Signature Control No: 655583-119931348
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8931-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG4
 Location: New Salem, ND
 Latitude: 46-57-42.95N NAD 83
 Longitude: 101-32-24.95W
 Heights: 430 feet above ground level (AGL)
 2675 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

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

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If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8931-OE.

Signature Control No: 655584-119931349
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8932-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG5
 Location: New Salem, ND
 Latitude: 46-58-41.32N NAD 83
 Longitude: 101-32-56.02W
 Heights: 430 feet above ground level (AGL)
 2687 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

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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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8932-OE.

Signature Control No: 655585-119931346
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8935-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG8
 Location: New Salem, ND
 Latitude: 46-57-34.80N NAD 83
 Longitude: 101-33-12.31W
 Heights: 430 feet above ground level (AGL)
 2697 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

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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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8935-OE.

Signature Control No: 655588-119931355
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8939-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG12
 Location: New Salem, ND
 Latitude: 46-57-53.84N NAD 83
 Longitude: 101-31-04.26W
 Heights: 430 feet above ground level (AGL)
 2603 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

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

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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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8939-OE.

Signature Control No: 655592-119931362
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8940-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG13
 Location: New Salem, ND
 Latitude: 46-57-50.88N NAD 83
 Longitude: 101-32-11.89W
 Heights: 430 feet above ground level (AGL)
 2657 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

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If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8940-OE.

Signature Control No: 655593-119931353
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8941-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG14
 Location: New Salem, ND
 Latitude: 46-58-29.18N NAD 83
 Longitude: 101-32-23.40W
 Heights: 430 feet above ground level (AGL)
 2643 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8941-OE.

Signature Control No: 655594-119931361
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch. ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8943-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG16
 Location: New Salem, ND
 Latitude: 46-57-53.47N NAD 83
 Longitude: 101-32-50.06W
 Heights: 430 feet above ground level (AGL)
 2671 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8943-OE.

Signature Control No: 655596-119931357
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8945-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG18
 Location: New Salem, ND
 Latitude: 46-58-56.29N NAD 83
 Longitude: 101-32-18.68W
 Heights: 430 feet above ground level (AGL)
 2609 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8945-OE.

Signature Control No: 655598-119931358
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8946-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG19
 Location: New Salem, ND
 Latitude: 46-58-25.91N NAD 83
 Longitude: 101-31-55.46W
 Heights: 430 feet above ground level (AGL)
 2616 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8946-OE.

Signature Control No: 655599-119931360
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8949-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG22
 Location: New Salem, ND
 Latitude: 46-57-14.18N NAD 83
 Longitude: 101-32-10.99W
 Heights: 430 feet above ground level (AGL)
 2629 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8949-OE.

Signature Control No: 655602-119931385
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8950-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG23
 Location: New Salem, ND
 Latitude: 46-57-15.12N NAD 83
 Longitude: 101-33-34.65W
 Heights: 430 feet above ground level (AGL)
 2746 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8950-OE.

Signature Control No: 655603-119931386
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8956-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG29
 Location: New Salem, ND
 Latitude: 46-57-41.76N NAD 83
 Longitude: 101-30-44.90W
 Heights: 430 feet above ground level (AGL)
 2595 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8956-OE.

Signature Control No: 655609-119931394
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8958-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG31
 Location: New Salem, ND
 Latitude: 46-57-43.59N NAD 83
 Longitude: 101-31-25.12W
 Heights: 430 feet above ground level (AGL)
 2595 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8958-OE.

Signature Control No: 655611-119931396
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8959-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG32 |
| Location: | New Salem, ND |
| Latitude: | 46-58-24.18N NAD 83 |
| Longitude: | 101-33-12.11W |
| Heights: | 430 feet above ground level (AGL) |
| | 2649 feet above mean sea level (AMSL) |

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8959-OE.

Signature Control No: 655612-119931397
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8960-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG33
 Location: New Salem, ND
 Latitude: 46-57-33.65N NAD 83
 Longitude: 101-31-57.21W
 Heights: 430 feet above ground level (AGL)
 2649 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8960-OE.

Signature Control No: 655613-119931398
Earl Newalu
Specialist

(DNE -WT)



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

Aeronautical Study No.
2011-WTE-22344-OE
Prior Study No.
2009-WTE-8928-OE

Issued Date: 12/29/2011

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG1 |
| Location: | New Salem, ND |
| Latitude: | 46-59-07.01N NAD 83 |
| Longitude: | 101-31-27.25W |
| Heights: | 2319 feet site elevation (SE) 430 feet above ground level (AGL) 2749 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:

The proposal to change the current marking/lighting system is acceptable. Marking/lighting should be accomplished in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, white paint only - Chapters 12&13(Turbines).

So that aeronautical charts and records can be updated, it is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed when the new system is installed and operational.

If the structure is subject to the authority of the Federal Communications Commission, a copy of this letter will be forwarded to them and application should be made for permission to change the marking/lighting as requested.

See attachment for additional condition(s) or information.

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.

This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

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 2011-WTE-22344-OE.

Signature Control No: 154761796-155926542

(DNE -WT)

Donna O'Neill
Specialist

Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2011-WTE-22344-OE

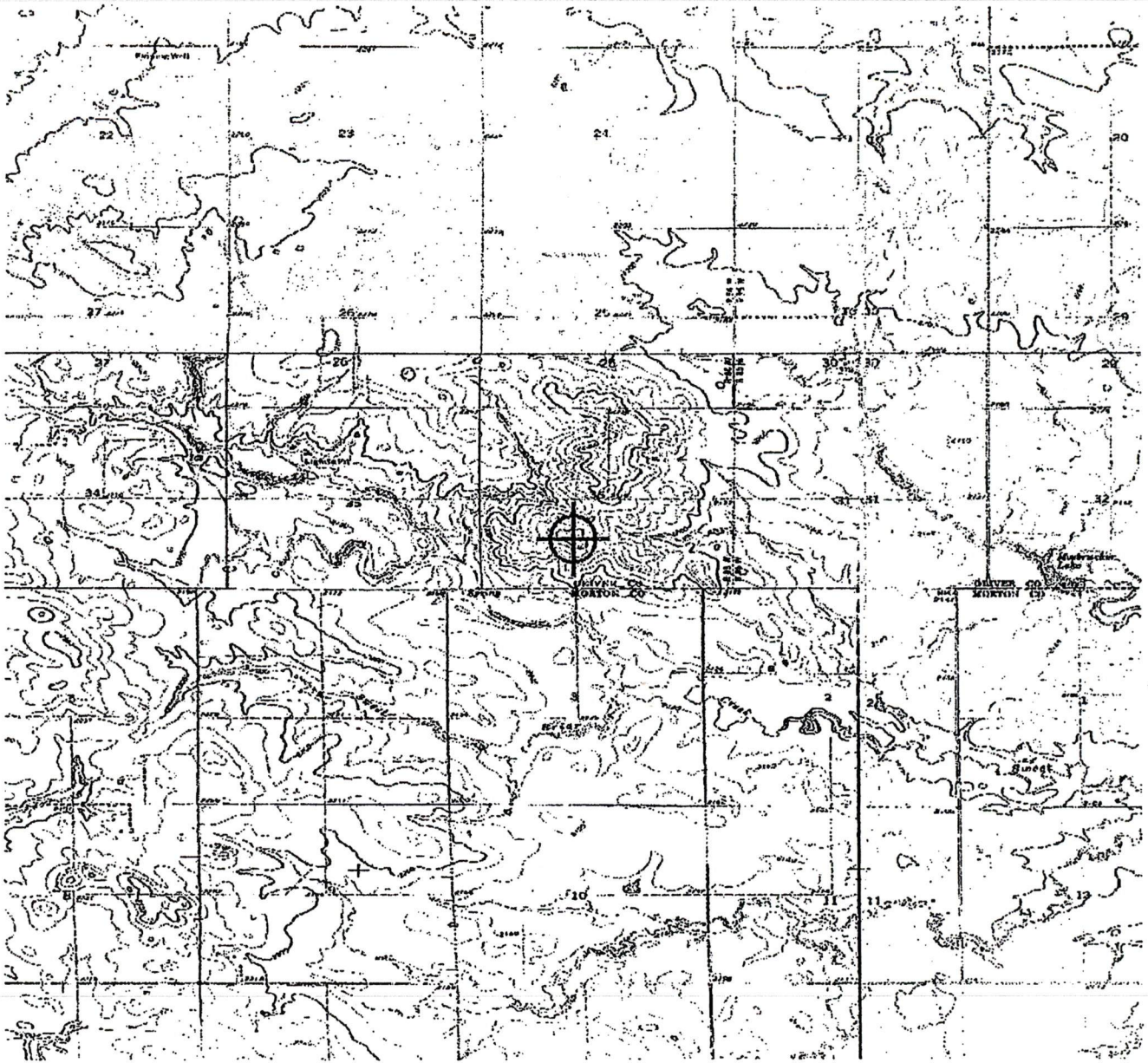
Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. Any change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project.

Lights Out During Construction

Obstruction lights, for those structure for which lights have been recommended, should be installed and operational once the structure has reached the height for which lights are required. Synchronization may not be feasible until the project is completed but, for aviation safety, should be accomplished as quickly as possible.

Lights out NOTAMs (Notice to Airmen) are not intended to be used as a substitution for operational lighting during project construction.

TOPO Map for ASN 2011-WTE-22344-OE





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

Aeronautical Study No.
2011-WTE-22548-OE
Prior Study No.
2011-WTE-3048-OE

Issued Date: 02/28/2012

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG2 |
| Location: | New Salem, ND |
| Latitude: | 46-59-41.49N NAD 83 |
| Longitude: | 101-31-13.25W |
| Heights: | 2340 feet site elevation (SE) 430 feet above ground level (AGL) 2770 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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.

This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

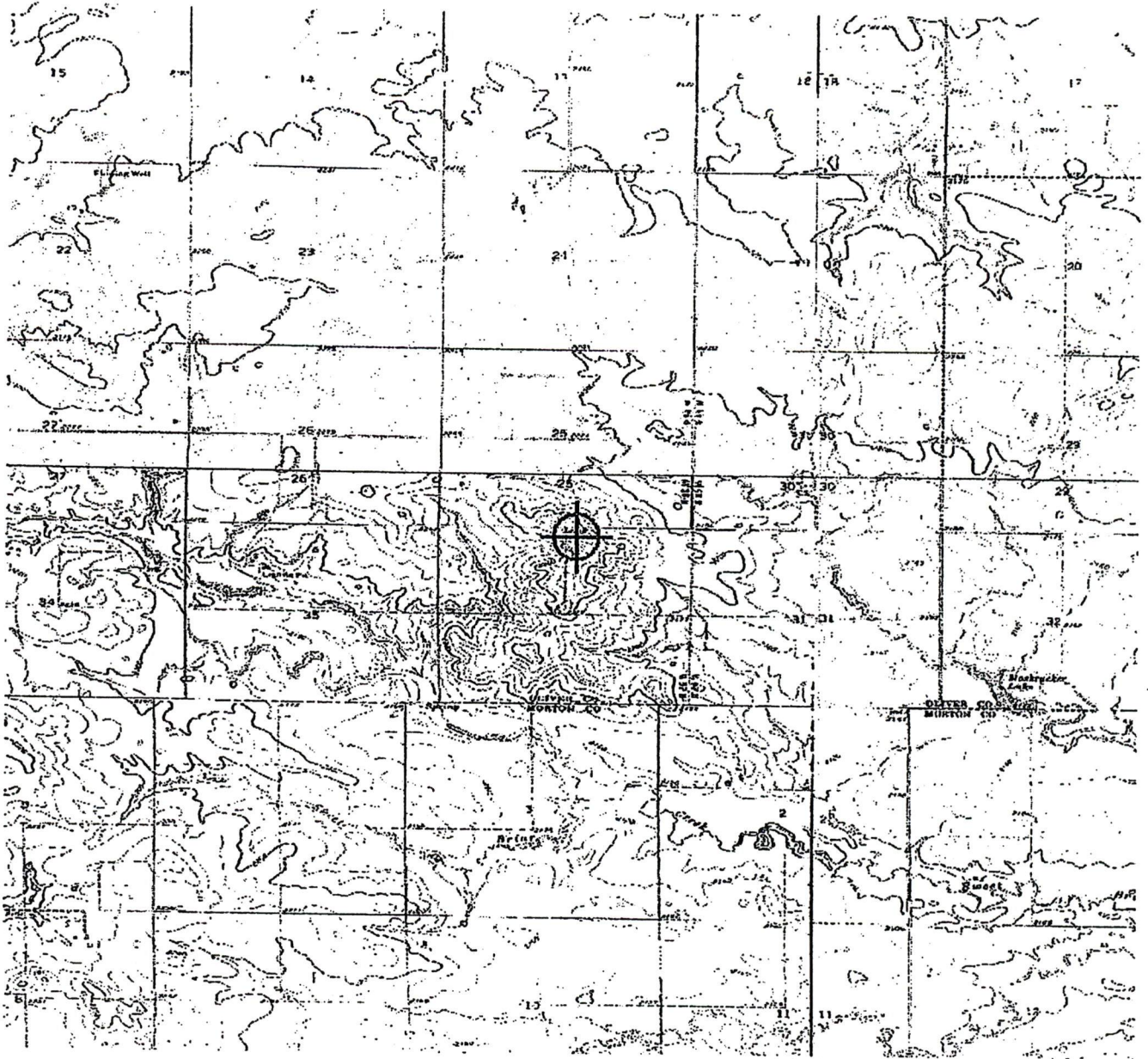
If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-WTE-22548-OE.

Signature Control No: 154906269-159709721
Donna O'Neill
Specialist

(DNE-WT)

Attachment(s)
Map(s)

TOPO Map for ASN 2011-WTE-22548-OE





Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2009-WTE-8933-OE

Issued Date: 11/03/2009

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG6
Location: New Salem, ND
Latitude: 47-00-14.79N NAD 83
Longitude: 101-31-41.38W
Heights: 430 feet above ground level (AGL)
2727 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
 Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8933-OE.

Signature Control No: 655586-119931351
Earl Newalu
Specialist

(DNE -WT)



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

Aeronautical Study No.
2011-WTE-22704-OE
Prior Study No.
2009-WTE-8934-OE

Issued Date: 02/28/2012

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG7 |
| Location: | New Salem, ND |
| Latitude: | 46-59-53.26N NAD 83 |
| Longitude: | 101-32-28.90W |
| Heights: | 2287 feet site elevation (SE) 430 feet above ground level (AGL) 2717 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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.

This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

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 2011-WTE-22704-OE.

Signature Control No: 155349029-159709723

(DNE -WT)

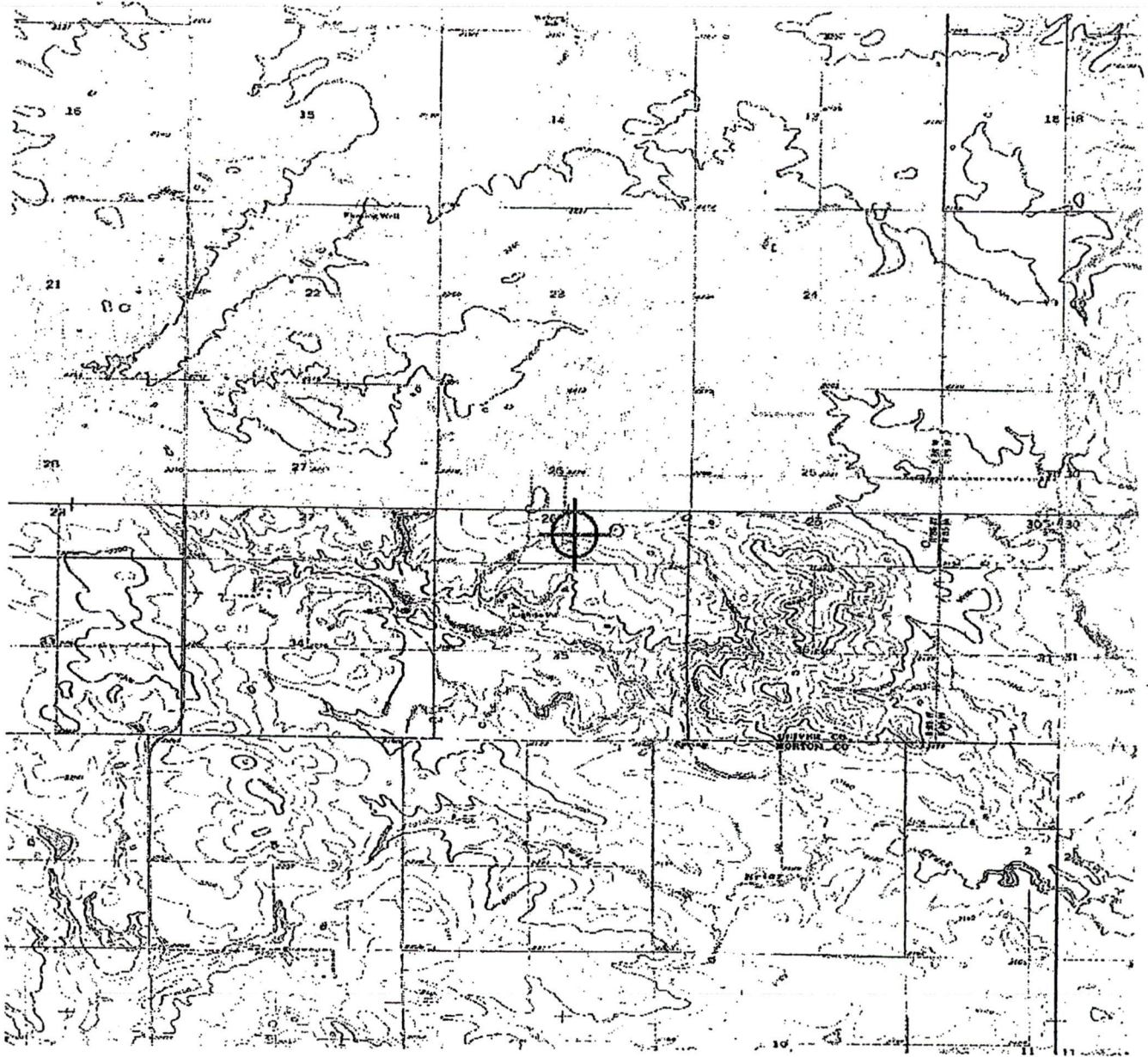
Donna ONeill

Specialist

Attachment(s)

Map(s)

TOPO Map for ASN 2011-WTE-22704-OE





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

Aeronautical Study No.
2011-WTE-22705-OE
Prior Study No.
2009-WTE-8936-OE

Issued Date: 02/28/2012

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG9 |
| Location: | New Salem, ND |
| Latitude: | 46-58-57.82N NAD 83 |
| Longitude: | 101-30-49.42W |
| Heights: | 2249 feet site elevation (SE) 430 feet above ground level (AGL) 2679 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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.

This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

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 2011-WTE-22705-OE.

Signature Control No: 155349092-159709722

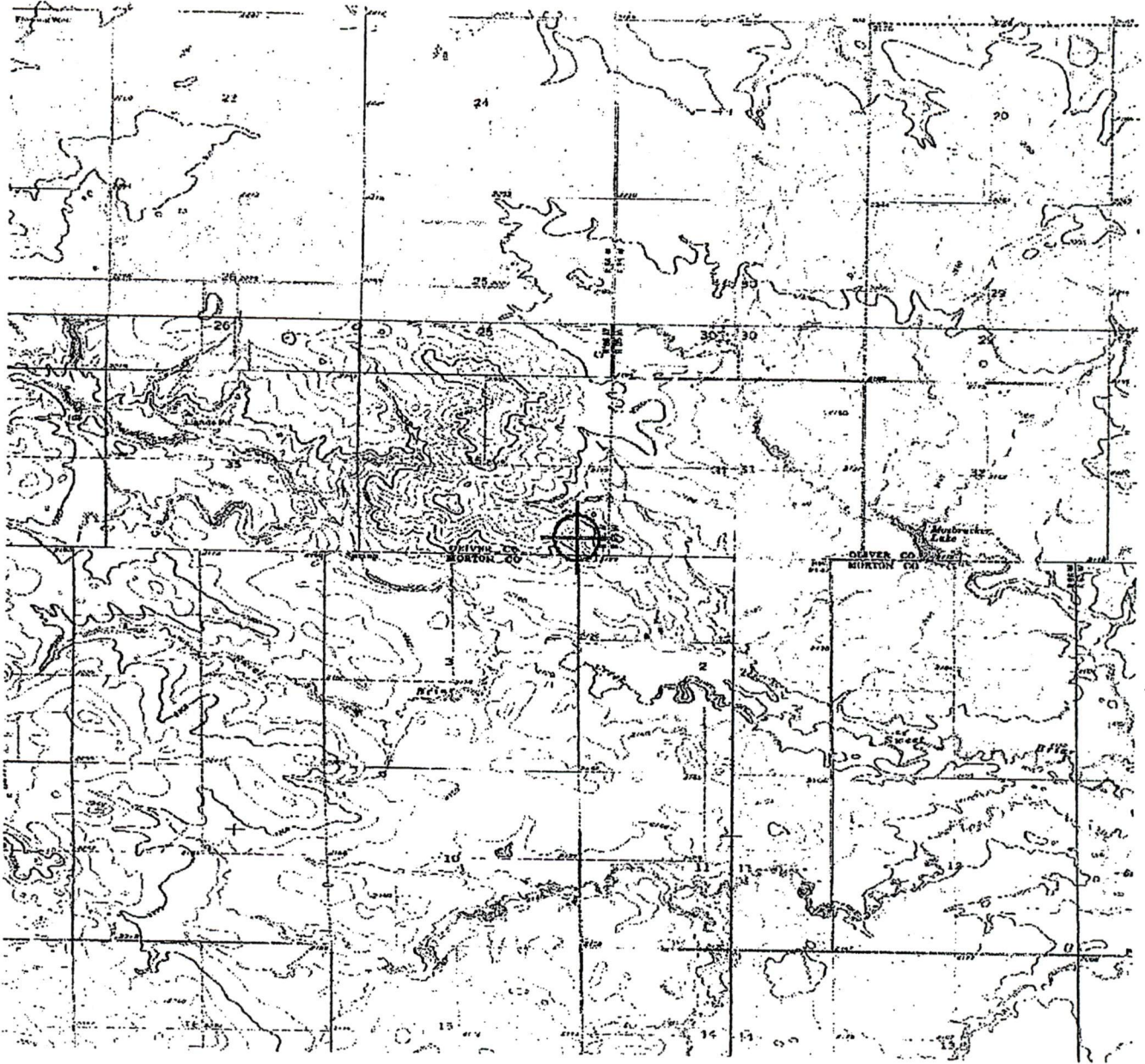
Donna O'Neill
Specialist

(DNE-WT)

Attachment(s)

Map(s)

TOPO Map for ASN 2011-WTE-22705-OE





Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8937-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG10
 Location: New Salem, ND
 Latitude: 46-59-21.73N NAD 83
 Longitude: 101-31-13.22W
 Heights: 430 feet above ground level (AGL)
 2742 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8937-OE.

Signature Control No: 655590-119931354

Earl Newalu

Specialist

(DNE -WT)



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8938-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG11
 Location: New Salem, ND
 Latitude: 46-59-12.99N NAD 83
 Longitude: 101-30-00.51W
 Heights: 430 feet above ground level (AGL)
 2615 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8938-OE.

Signature Control No: 655591-119931352
Earl Newalu
Specialist

(DNE -WT)



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2009-WTE-8942-OE

Issued Date: 11/03/2009

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG15
Location: New Salem, ND
Latitude: 46-59-39.38N NAD 83
Longitude: 101-32-06.04W
Heights: 430 feet above ground level (AGL)
2715 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
 Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8942-OE.

Signature Control No: 655595-119931356
Earl Newalu
Specialist

(DNE -WT)



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

Aeronautical Study No.
2012-WTE-43-OE
Prior Study No.
2009-WTE-8944-OE

Issued Date: 02/28/2012

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG17 |
| Location: | New Salem, ND |
| Latitude: | 47-00-31.70N NAD 83 |
| Longitude: | 101-31-51.79W |
| Heights: | 2267 feet site elevation (SE) 430 feet above ground level (AGL) 2697 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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.

This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

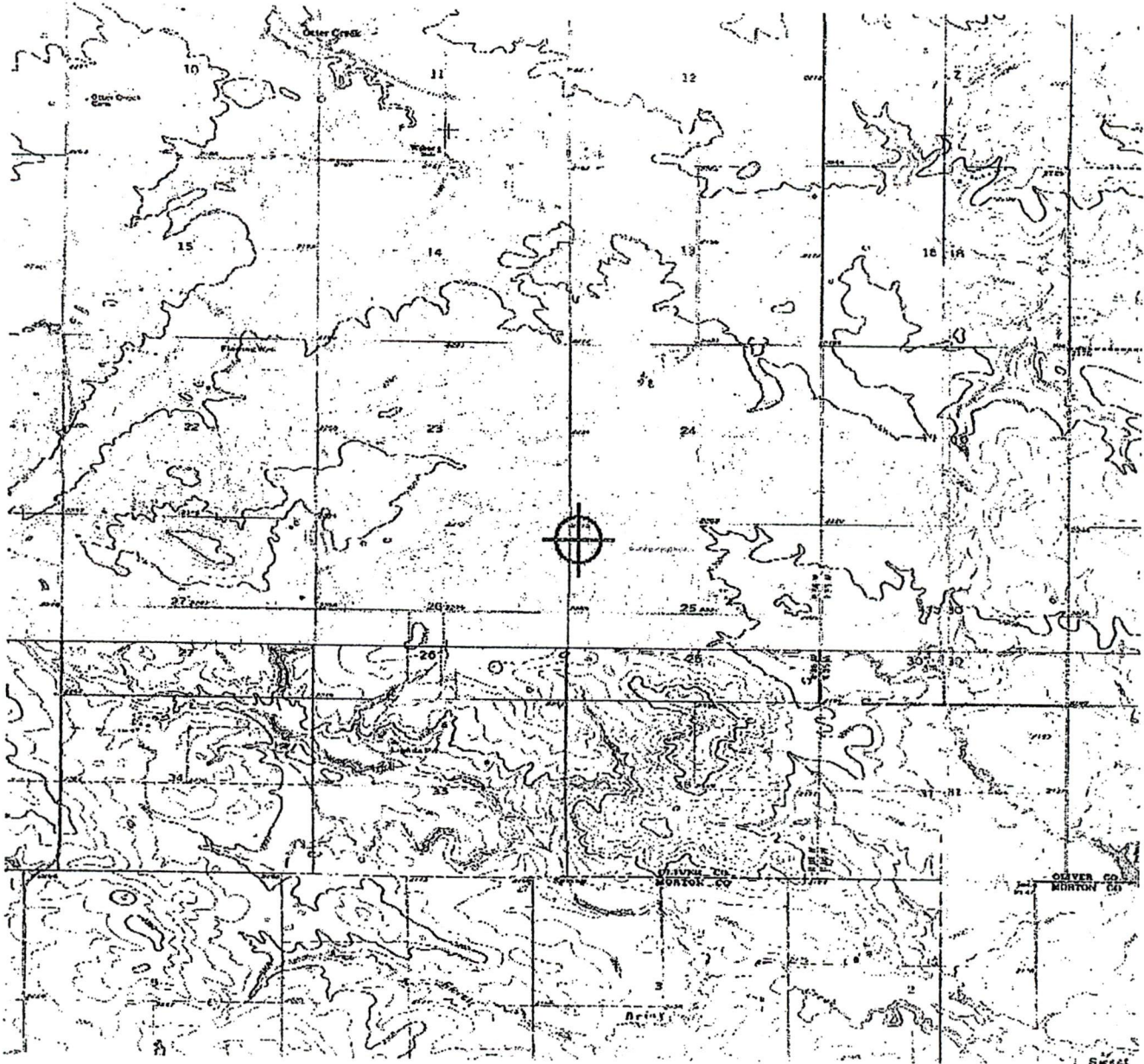
If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-WTE-43-OE.

Signature Control No: 155996585-159709725
Donna O'Neill
Specialist

(DNE - WT)

Attachment(s)
Map(s)

TOPO Map for ASN 2012-WTE-43-OE





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

Aeronautical Study No.
2011-WTE-22712-OE
Prior Study No.
2009-WTE-8947-OE

Issued Date: 02/28/2012

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG20
Location: New Salem, ND
Latitude: 47-00-13.21N NAD 83
Longitude: 101-32-14.74W
Heights: 2288 feet site elevation (SE)
430 feet above ground level (AGL)
2718 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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.

This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

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 2011-WTE-22712-OE.

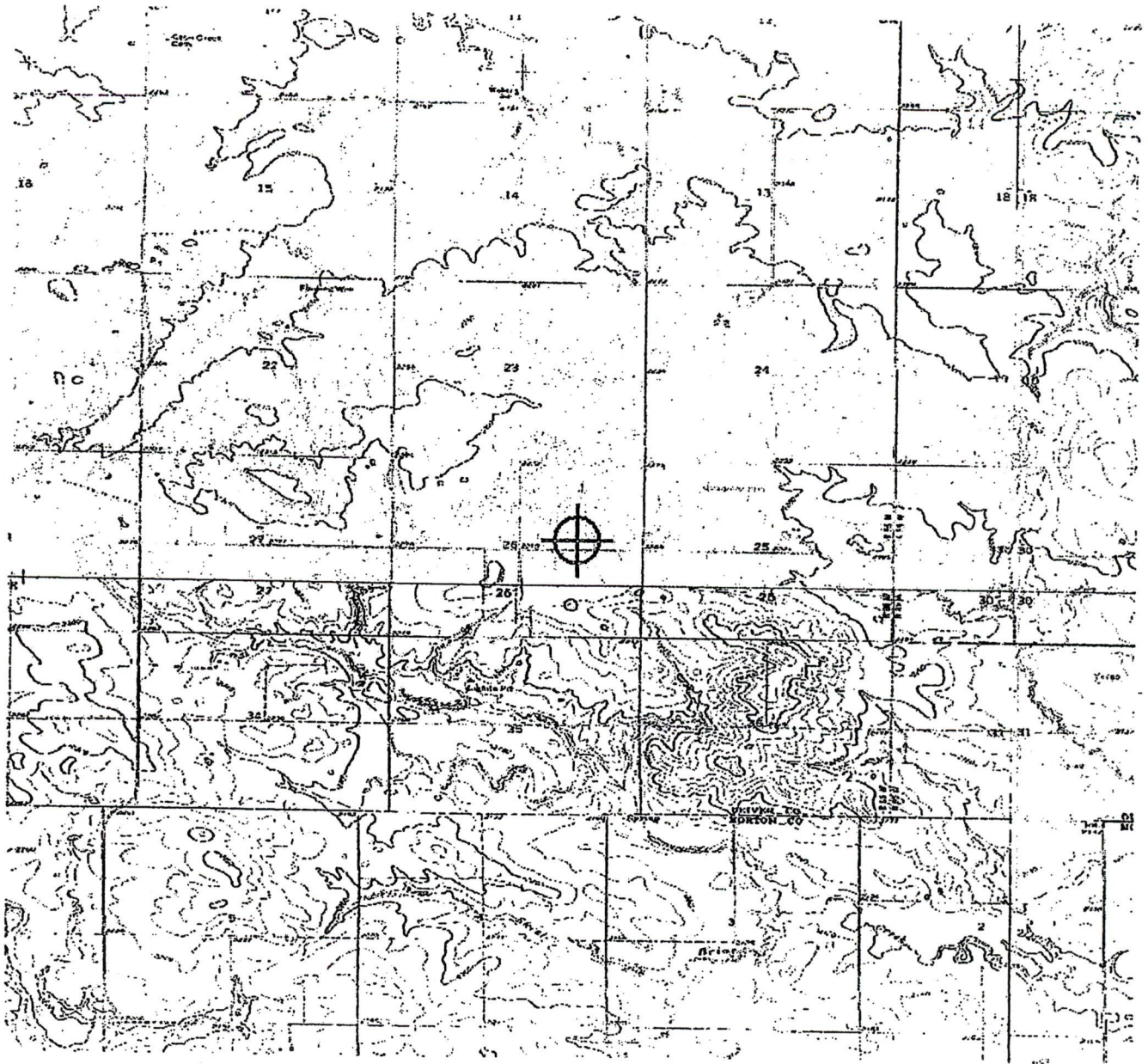
Signature Control No: 155525859-159709726

(DNE - WT)

Donna ONeill
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2011-WTE-22712-OE





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

Aeronautical Study No.
2011-WTE-22728-OE
Prior Study No.
2009-WTE-8952-OE

Issued Date: 02/28/2012

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG25 |
| Location: | New Salem, ND |
| Latitude: | 47-00-34.39N NAD 83 |
| Longitude: | 101-31-27.94W |
| Heights: | 2219 feet site elevation (SE) 430 feet above ground level (AGL) 2649 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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.

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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.

This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

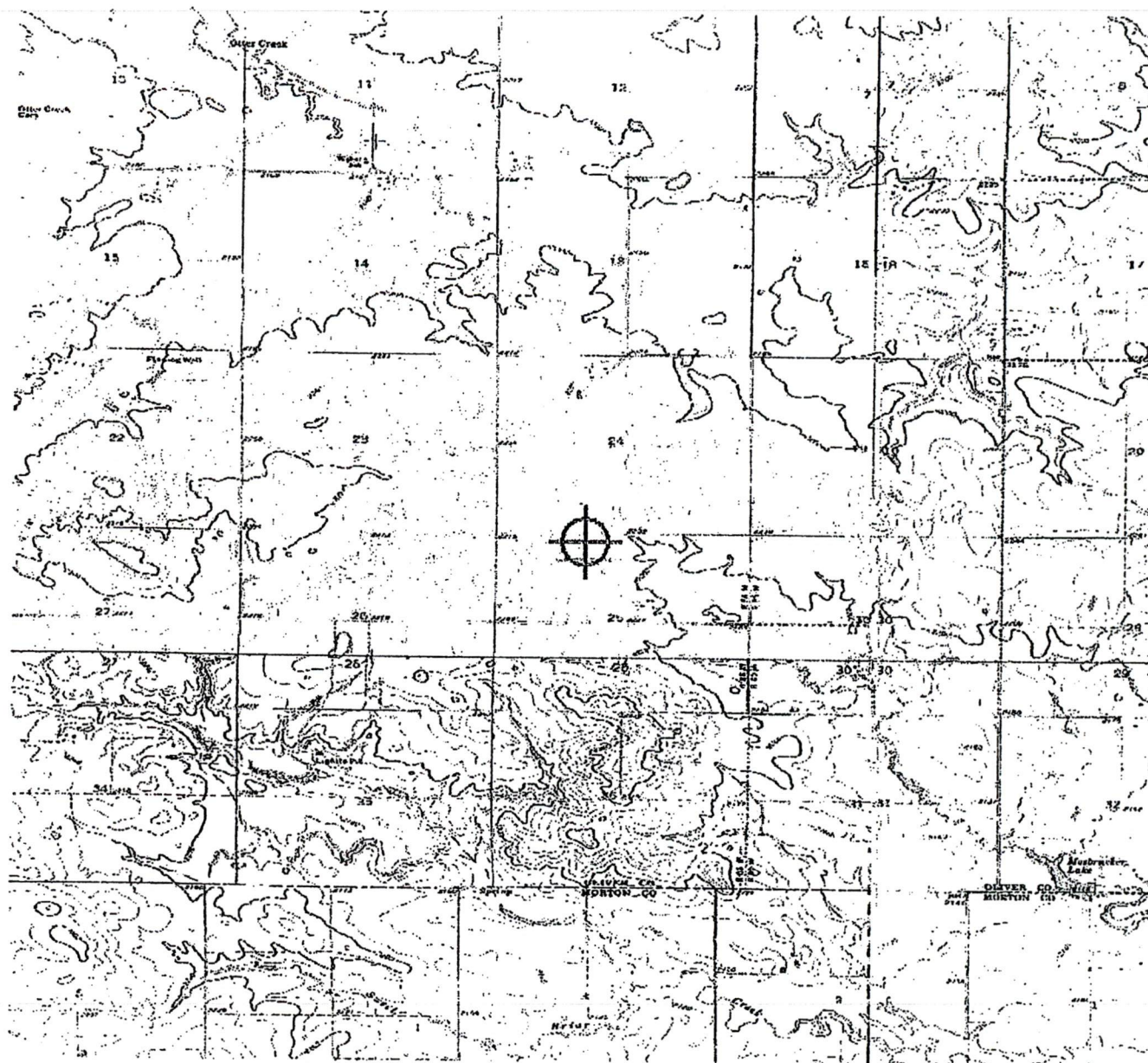
If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-WTE-22728-OE.

Signature Control No: 155672781-159709724
Donna O'Neill
Specialist

(DNE-WT)

Attachment(s)
Map(s)

TOPO Map for ASN 2011-WTE-22728-OE





Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2009-WTE-8953-OE

Issued Date: 11/03/2009

Minnesota Power
 Ron Gullicks
 30 West Superior Street
 Duluth, MN 55802

**** 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 WTG26
 Location: New Salem, ND
 Latitude: 47-00-34.50N NAD 83
 Longitude: 101-32-29.25W
 Heights: 430 feet above ground level (AGL)
 2692 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

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

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

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.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8953-OE.

Signature Control No: 655606-119931391
Earl Newalu
Specialist

(DNE -WT)



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

Aeronautical Study No.
2011-WTE-22237-OE
Prior Study No.
2009-WTE-8954-OE

Issued Date: 12/29/2011

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG27 |
| Location: | New Salem, ND |
| Latitude: | 46-59-01.08N NAD 83 |
| Longitude: | 101-31-44.91W |
| Heights: | 2249 feet site elevation (SE) 430 feet above ground level (AGL) 2679 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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.

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This aeronautical study included evaluation of a structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

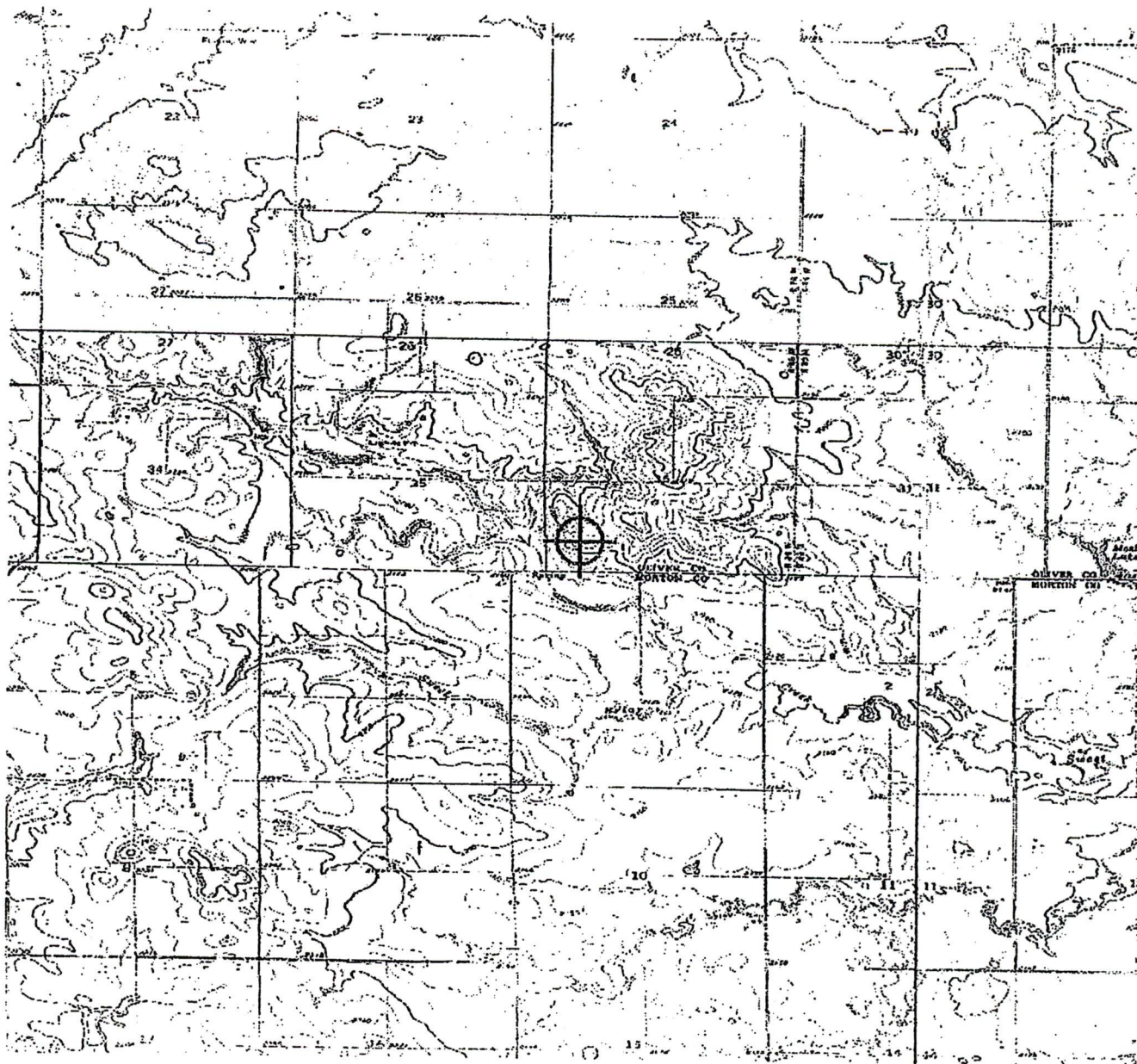
If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-WTE-22237-OE.

Signature Control No: 154369604-155926158
Donna O'Neill
Specialist

(DNE-WT)

Attachment(s)
Map(s)

TOPO Map for ASN 2011-WTE-22237-OE





Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2009-WTE-8955-OE

Issued Date: 11/03/2009

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG28
Location: New Salem, ND
Latitude: 46-59-58.23N NAD 83
Longitude: 101-31-57.65W
Heights: 430 feet above ground level (AGL)
2727 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K 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 completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
 Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 11/03/2011 unless:

- (a) extended, revised or terminated by the issuing office.
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If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-WTE-8955-OE.

Signature Control No: 655608-119931393
Earl Newalu
Specialist

(DNE -WT)



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

Aeronautical Study No.
2011-WTE-22236-OE
Prior Study No.
2011-WTE-639-OE

Issued Date: 12/29/2011

Minnesota Power
Ron Gullicks
30 West Superior Street
Duluth, MN 55802

**** 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 WTG30
Location: New Salem, ND
Latitude: 46-59-41.18N NAD 83
Longitude: 101-30-50.74W
Heights: 2242 feet site elevation (SE)
430 feet above ground level (AGL)
2672 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 should continue to be marked/lighted utilizing white paint/synchronized red lights - Chapters 4,12&13(Turbines).

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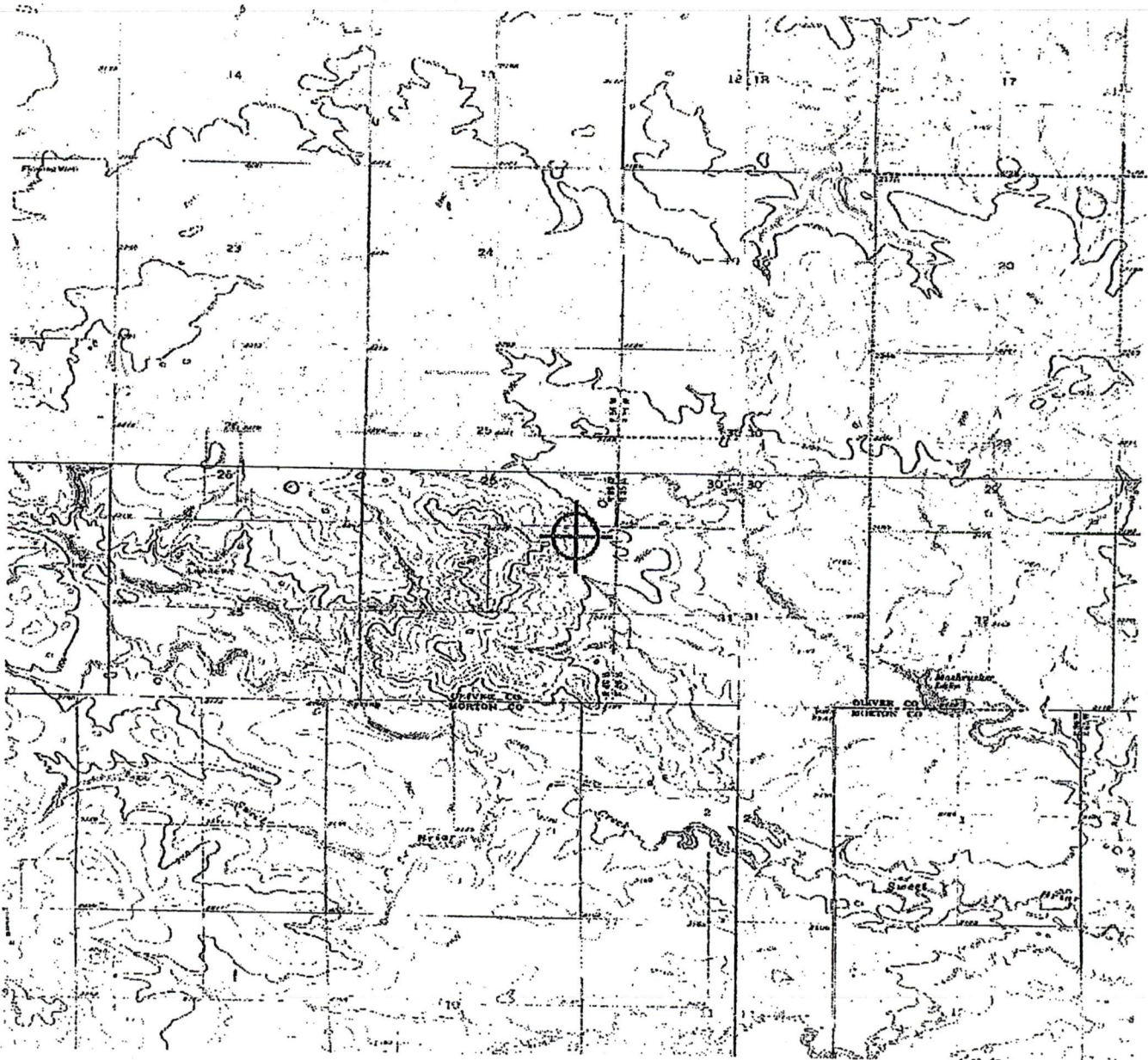
If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-WTE-22236-OE.

Signature Control No: 154369235-155925932
Donna O'Neill
Specialist

(DNE-WT)

Attachment(s)
Map(s)

TOPO Map for ASN 2011-WTE-22236-OE





**APPLICATION (NOTICE OF INTENT) TO OBTAIN
 COVERAGE UNDER NDPDES GENERAL PERMIT
 FOR STORM WATER DISCHARGES ASSOCIATED
 WITH CONSTRUCTION ACTIVITY (NDR10-0000)**
 NORTH DAKOTA DEPARTMENT OF HEALTH
 DIVISION OF WATER QUALITY
 SFN 19145 (2/05)

FOR DEPT. USE ONLY

| |
|-----------------|
| Date Received |
| Application No. |

GENERAL INFORMATION

| | | | | |
|---|--|---|--|---|
| Name of Owner of Construction Project Minnesota Power | | Contact Person Name Jim Atkinson | Contact Phone No. (218) 355-3561 | |
| Mailing Address 30 West Superior Street | | City Duluth | State MN | Zip Code 55803 |
| Type of Owner or Operator | <input type="checkbox"/> Developer/BUILDER <input type="checkbox"/> State of ND | <input type="checkbox"/> General Contractor <input type="checkbox"/> Federal | <input type="checkbox"/> Municipality | <input checked="" type="checkbox"/> Other (Specify): Utility |
| This NOI is to obtain coverage under Small Construction Activity (see Part I.D of permit): | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | Small Construction Activity requires the submittal of an Annual Location Record as per Part III.B of the permit |
| Name of Construction Project (Large Construction Activity Only) Bison I Wind Farm | | | | |
| Brief Description of Construction Activity (Please fill out for both Large and Small Construction Activity) The Project is a 76-megawatt (MW) Utility Scale Wind Farm Project, which consists of construction associated with the erection of 33 - 2.3 MW wind turbines, transformers, underground electrical collector and communication cables, and access roads. In addition, the facilities will include a collector substation, maintenance and operation facility and a 230kV transmission line that will deliver electricity to the existing Square Butte Substation. | | | | |

LARGE CONSTRUCTION ACTIVITY INFORMATION (Skip for small construction activity)

| | | | | | |
|--|--|---|---|-----------------------|------------------------|
| Name of Operator Working at Site (i.e. general contractor, if known) | | Contact Person Name | Contact Phone No. | | |
| Mailing Address | | City | State | Zip Code | |
| Project Start Date: October 2009 | Estimated Completion Date: Fall 2011 | Estimated Area of Total Disturbance in Acres: approximately 41 acres | | | |
| Project Location | Street N/A | City N/A | | | |
| | OR | Section see attached | Township see attached | Range see attached | County see attached |
| Receiving Waters | <input checked="" type="checkbox"/> Natural Surface Drainage | Name or Description of Receiving Waters Sweet Briar Creek subbasin | | | |
| | OR | <input type="checkbox"/> Municipal Storm Sewer | Name of City approximately 8 miles NW of New Salem, ND | | |

Signature Information

| | | |
|--|---|---|
| RETURN COMPLETED APPLICATION TO: North Dakota Department of Health Division of Water Quality, 4 th Floor 918 East Divide Avenue Bismarck, ND 58501-1947 Telephone: (701) 328-5210 | I certify that I am familiar with NDR10-0000 and NDCC 61-28-08, and with the possibility of fines and imprisonment for submitting false information. To the best of my knowledge and belief, the information in this application is true, complete, and accurate. | |
| | Printed name of Owner(s) Minnesota Power | Title SVP, General Counsel/Secretary |
| | Signature of Owner(s) <i>Sheri L. Tenberg, for Minnesota Power</i> | Date April 29, 2010 |

| | | |
|---------------------|--|---|
| Fax: (701) 328-5200 | Printed name of Operator(s) Minnesota Power | Title SVP, General Counsel & Secretary |
| | Signature of Operator(s) <i>Kathleen Blakey for Minnesota Power</i> | Date April 29, 2010 |

(Attach additional pages if needed)

**SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN
(SPCC)
FOR
MINNESOTA POWER'S**

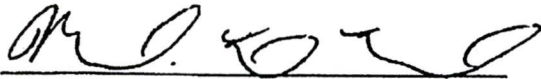
**BISON 230/34.5 kV SUBSTATION
NEW SALEM, NORTH DAKOTA**

**Owned and Operated by
Minnesota Power
30 West Superior Street
Duluth, MN 55802**

Professional Engineer Certification 40 CFR 112.3(d)

CERTIFICATION: By means of this certification, I attest that I am familiar with the requirements of provisions 40 CFR Part 112, that I or my designated agent have visited and examined the facility, that this SPCC Plan has been prepared in accordance with good engineering practices, including consideration of applicable industry standards, and with the requirements of this Part, that procedures for required inspections and testing have been established and that the Plan is adequate for the facility.

Engineer:



Michael D. French, P.E.

Registration No.: PE-6496

State: North Dakota

Date of Plan certification

**SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
MANAGEMENT APPROVAL 40 CFR 112.7**

I hereby certify that the necessary resources to implement this Plan have been committed.



Todd Simmons
Operations Manager-Bison 1 Wind

25-Oct, 2011

Date

**SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN
(SPCC PLAN) FOR**

**BISON 230/34.5 kV SUBSTATION
NEW SALEM, NORTH DAKOTA**

Quick Reference Reporting Information 2 PAGES

The Minnesota Power Bison 1 Wind Substation is located in Section 4, Township 140 North, Range 86 West, New Salem, North Dakota. The Substation is located in Morton County. The site address is 5134 30th Street, New Salem, North Dakota, 58563.

The site can be accessed from I-94 West of New Salem, taking Exit 120 (Highway86) to the North for about 8 miles, then proceeding east on 30th Street to the Substation.

Facility drawing ME-32815-12 is included as Attachment A. A copy of this SPCC Plan is maintained at the Bison 1 Wind Headquarters which is located on 30th Street approximately 0.5 mile to the west of the substation..

Accountable Person:

Todd Simmons-Bison 1 Wind is accountable for oil spill prevention at this facility.

Contact Information For Minnesota Power-Bison 1 Wind and Substation C&M Personnel

| Name | Title | Telephone |
|---------------|-----------------------------------|-----------------------|
| Timothy Mork | Reliability Coordinator | Office (701) 843-6103 |
| | Allete Renewable Resources | Cell 701 202 9644 |
| | | Home same as cell |
| Todd Simmons | Manager-Bison 1 Wind | Office (701) 843-6102 |
| | | Cell (701) 426-7820 |
| | | Home 701 751 3174 |
| David Schmitz | General Manager | Office (701) 258-0450 |
| | North Dakota Renewable Operations | Cell (701) 426-5287 |
| | | Home same as cell |
| Corey Axtman | HVDC Technician | Office (701) 843-6141 |
| | | Cell (701) 214-7285 |
| Tyler Hardy | HVDC Technician | Office (701) 843-6142 |
| | | Cell (701) 214-7236 |

**Quick Reference
Reporting Information Continued**

Page 2 of 2

- **For Internal Environmental Incident Reporting To Minnesota Power Environmental Department:**

| | |
|---|---|
| Normal Business Hours | (218) 722-5642, x 3200 |
| After-Hours (or 24/7) Environmental Incidents | (218) 720-2764 or (218) 722-5642, x 2764 |

- **North Dakota Regulatory Agency Reporting Numbers**

| | |
|---|----------------|
| ND Department of Health-Water Quality (Normal Business Hours) | (701) 328-5210 |
|---|----------------|

Or

| | |
|---------------------------------|----------------|
| ND Emergency Services (or 24/7) | (800) 472-2121 |
|---------------------------------|----------------|

- **Federal National Response Center in Washington, DC** (800) 424-8802

- **Federal EPA Region 8-Denver, CO** (303) 293-1788

For additional reporting information:
Refer to Article 10.0 and 11.0 of this SPCC Plan.

TABLE OF CONTENTS

| Article | | Contents | 40 CFR 112 Citation | Text Page |
|---------|------|---|---------------------|--------------|
| 1.0 | | Plan Amendments | 112.5 | 1 |
| | 1.1 | Summary of Amendments | | 1 |
| | | Amendment Detail Sheets | | Attachment B |
| 2.0 | | General Facility Description | | 1 |
| | 2.1 | Location of the Facility | | 1 |
| | 2.2 | Description of the Facility | | 1 |
| | 2.3 | Applicability of 40 CFR 112 | | 1 |
| | 2.4 | Substantial Harm Review and Certification | | 1 |
| 3.0 | | Conformance with Applicable Requirements | | 2 |
| | 3.1 | Conformance with Requirements | 112.7(a)(1) | 2 |
| | 3.2 | Non-Conformance with Requirements | 112.7(a)(2) | 2 |
| 4.0 | | Physical Layout of the Facility | 112.7(a)(3) | 2 |
| 5.0 | | Listing of Oil-Filled Equipment | 112.7(a)(3)(i) | 2 |
| 6.0 | | Discharge Prevention Measures | 112.7(a)(3)(ii) | 2 |
| 7.0 | | Discharge or Drainage Controls | 112.7(a)(3)(iii) | 2 |
| 8.0 | | Spill Discovery, Response and Cleanup | 112.7(a)(3)(iv) | 3 |
| 9.0 | | Disposal of Contaminated Materials | 112.7(a)(3)(v) | 3 |
| 10.0 | | Contact List & Phone Numbers | 112.7(a)(3)(vi) | 3 |
| 11.0 | | Reporting Information | 112.7(a)(4) | 5 |
| 12.0 | | Spill Response Procedures | 112.7(a)(5) | 5 |
| 13.0 | | Predicted Direction, Rate & Quantity of Potential Spill | 112.7(b) | 5 |
| 14.0 | | Containment Structures or Equipment | 112.7 (c) | 6 |
| 15.0 | | Impractical Containment Situations | 112.7(d) | 6 |
| 16.0 | | Inspections, Tests & Records | 112.7(e) | 6 |
| | 16.1 | Inspections | | 6 |
| | 16.2 | Spill Report | | 6 |
| 17.0 | | Personnel, Training & Discharge Prevention | 112.7(f) | 6 |
| | 17.1 | Training Contents | 112.7(f)(1) | 6 |

| Article | | Contents | 40 CFR 112 Citation | Text Page |
|---------|------|---|---------------------|-----------|
| | 17.2 | Accountable Person | 112.7(f)(2) | 6 |
| | 17.3 | Training Frequency | 112.7(f)(3) | 6 |
| 18.0 | | Security | 112.7(g) | 6 |
| | 18.1 | Facility Fencing | 112.7(g)(1) | 6 |
| | 18.2 | Drain Valves | 112.7(g)(2) | 7 |
| | 18.3 | Oil Pumps | 112.7(g)(3) | 7 |
| | 18.4 | Loading/Unloading Connections | 112.7(g)(4) | 7 |
| | 18.5 | Facility Lighting | 112.7(g)(5) | 7 |
| 19.0 | | Facility Tank Car & Tank Truck Unloading | 112.7(h) | 7 |
| 20.0 | | Field Constructed Aboveground Container | 112.7(i) | 7 |
| 21.0 | | Other Applicable State Rules, Reg, Guidelines | 112.7 (j) | 7 |
| 22.0 | | Conformance with 40 CFR 112.7 & 112.8 | 112.8(a) | 7 |
| 23.0 | | Facility Drainage | 112.8(b) | 7 |
| | 23.1 | Draining Diked Areas with Pumps, Ejectors | 112.8(b)(1) | 7 |
| | 23.2 | Draining Diked Areas with Valves | 112.8(b)(2) | 7 |
| | 23.3 | Containment for Undiked Areas | 112.8(b)(3) | 7 |
| | 23.4 | Diversion Systems for Undiked Areas | 112.8(b)(4) | 7 |
| | 23.5 | Drainage Treatment Units | 112.8(b)(5) | 7 |
| 24.0 | | Bulk Storage Containers | 112.8(c) | 8 |
| 25.0 | | Facility Transfer Operations | 112.8(d) | 8 |
| | 25.1 | Piping Corrosion Protection | 112.8(d)(1) | 8 |
| | 25.2 | Capping & Marking Terminal Connections | 112.8(d)(2) | 8 |
| | 25.3 | Pipe Support Design | 112.8(d)(3) | 8 |
| | 25.4 | Inspections and Testing | 112.8(d)(4) | 8 |
| | 25.5 | Traffic Notification | 112.8(d)(5) | 8 |

| | | | | |
|--|--|---|------------------|--------------|
| | | | | |
| | | ATTACHMENTS | | |
| | | | | |
| | | Facility Drawing | | Attachment A |
| | | Amendments Summary & Detail Sheets | 112.5 | Attachment B |
| | | Substantial Harm Review & Certification | | Attachment C |
| | | Facility Inspection Log | 112.7(e) | Attachment D |
| | | Facility Spill Report | | Attachment E |
| | | Spill Reporting Telephone Flow Diagram | | Attachment F |
| | | Records of Draining Containment Areas | 112.8(c)(3)(iv) | Attachment G |
| | | Inspections & Testing of Bulk Storage Containers | 112.8(c)(6) | Attachment H |
| | | High Level Alarm /Leak Detection Test Records and Petroleum Delivery Procedures | 112.8(c)(8)(i-v) | Attachment I |
| | | Integrity Testing Records of Buried Piping | 112.8(d)(4) | Attachment J |

1.0 Plan Amendments

1.1 Summary of Plan Reviews and Amendments

In accordance with 40 CFR 112.5 (a) and (b), a review and evaluation of this SPCC Plan is conducted at the time of a Facility change that "materially affects the potential for a discharge" but at least once every three years prior to August 16, 2002, and at least once every 5 years after August 17, 2002. Minnesota Power recently constructed the Bison 230/34.5 kV Substation. This SPCC Plan was created as a result. Reviews, evaluations and amendments occurring after August 17, 2002 are recorded as Attachment B.

2.0 General Facility Description

2.1 Location of Facility

The Minnesota Power Bison 1 Wind Substation (Bison Substation) is located in Section 4, Township 140 North, Range 86 West, New Salem, North Dakota. The Substation is located in Morton County. The site address is 5134 30th Street, New Salem, North Dakota, 58563.

The site can be accessed from I-94 West of New Salem, taking Exit 120 (Highway 86) to the North for about 8 miles, then proceeding east on 30th Street to the Substation.

Facility drawing ME-32815-12 is included as Attachment A. A copy of this SPCC Plan is maintained at the Bison 1 Wind Headquarters which is located on 30th Street approximately 0.5 mile to the west of the substation..

2.2 Description of Facility

The Bison Substation contains the oil filled electrical equipment required for high voltage conversions and transfers of electrical energy between Minnesota Power's Bison 1 Wind farm and the Minnesota Power 250kV HVDC Substation located at Center, ND..

Minnesota Power owns all of the oil-filled electrical equipment in the Bison Substation with the exception of one transformer which is owned by Basin Electric Power Cooperative.

The Bison Substation is in continuous operation and is inspected once every two weeks by Minnesota Power Communications Infrastructure personnel from the Minnesota Power HVDC Substation located near Center, ND.

2.3 Applicability of 40 CFR 112

The oil volumes present at the Bison Substation exceed the de minimus level of 1,320 gallons as established in 40 CFR 112.1 (d) 2 (ii). The largest single container has a volume of approximately 14,195 gallons. Surface precipitation from the Bison Substation could eventually feed into the headwaters of a local drainage-way located approximately 0.5 mile to the northeast. For these reasons, 40 CFR 112 is considered to be applicable to the Bison Substation.

2.4 Certification of the Applicability of the Substantial Harm Criteria Checklist

An evaluation of the Substantial Harm Criteria has been conducted and it has been determined that the Criteria is not applicable to the Bison Substation. The completed Criteria checklist is included as Attachment C.

3.0 Conformance With Applicable Requirements

3.1 Conformance with Requirements 112.7(a)(1)

The SPCC Plan for the MP Bison Substation conforms to the requirements of 40 CFR 112.

This SPCC Plan has been certified by a registered professional engineer as required by Section 112.3(d) of the regulations. This SPCC Plan has the full approval of management at a level of authority to commit the necessary resources as required by Section 112.7.

Minnesota Power will amend and review this SPCC Plan in accordance with the requirements of Section 112.5 of the regulations.

3.2 Non-Conformance with Requirements 112.7(a)(2)

Not Applicable

4.0 – Physical Layout of Facility 112.7(a)(3)

Drawing ME-32815-17 shows the Bison Substation has been included as page 2.1. The location of all oil filled equipment and the quantity and type of oil in each is shown.

5.0 – Listing of Oil-Filled Equipment 112.7(a)(3)(i)

The following electrical equipment contains oil used as an electrical insulation and cooling medium and is present at the Bison Substation:

| Description/Equipment ID | No. of Units | Gallons Per Unit | Total Gallons | Oil Type |
|--|--------------|------------------|---------------|---------------------|
| Substation Transformer 230/34.5 kV | 1 | 14,195 | 14,195 | Non-PCB Mineral Oil |
| Station Service Transformer | 1 | 110 | 110 | Non-PCB Mineral Oil |
| Basin Electric Power Cooperative Transformer | 1 | 100 | 100 | Mineral Oil |
| Coupling Capacitor Voltage Transformers | 4 | 15.1 | 60.4 | Non-PCB Mineral Oil |
| Current Transformers | 3 | 15 | 45 | Non-PCB Mineral Oil |
| | | | | |

6.0 – Discharge Prevention Measures 112.7(a)(3)(ii)

Periodic maintenance operations require the use of portable oil-filled equipment and tanks. This equipment will be temporarily located within the confines of the substation during maintenance of oil-filled equipment. The volume of oil in these portable pieces of equipment and tanks is not expected to exceed the quantity contained by the largest permanent piece of equipment located at this facility. Maintenance personnel will be present at all times during operations which require the transfer of oil. Oil handling equipment will be properly maintained and inspected to minimize the potential for a discharge.

7.0 – Discharge or Drainage Controls 112.7(a)(3)(iii)

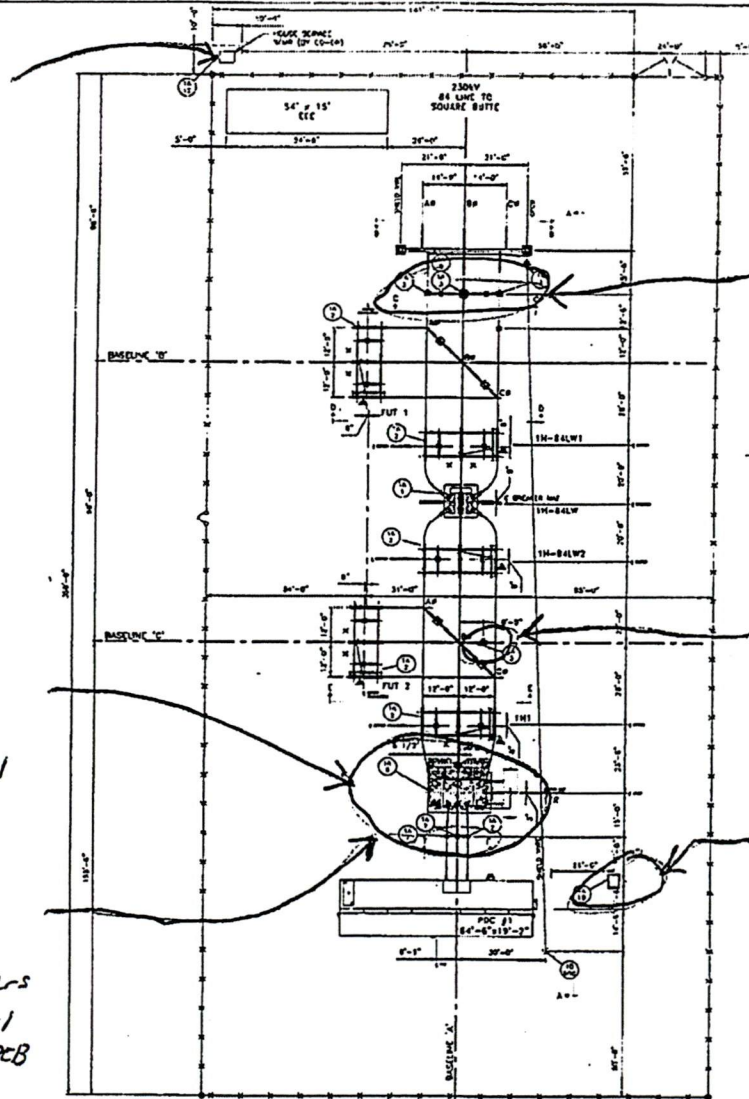
The following features, which minimize the possibility of oil spills reaching navigable waters, have been designed into this facility:

30th Street

CO-OP
OWNED
TRANSFORMER
100 GALLONS
MINERAL OIL

230/34.5 KV
SUBSTATION
TRANSFORMER
14,195 GALLONS
NON-PCB MINERAL OIL

THREE
METERING
CURRENT TRANSFORMERS
15 GAL MINERAL OIL
EACH NON-PCB



③ COUPLING CAPACITOR
VOLTAGE TRANSFORMERS
FOUR TOTAL
15.1 GALLONS EACH
NON-PCB
MINERAL OIL

STATION SERVICE
TRANSFORMER
110 GALLONS
NON-PCB
MINERAL OIL

- NOTES:
1. FINISH 1/4" VEE HOLES IN CONCRETE PER THE PERMITS.
 2. VERIFY THE DATA WITH OWNER AND IN THE FIELD.
 3. ALL DIMENSIONS SHOWN HEREIN ARE TO BE TAKEN AS INDICATED UNLESS OTHERWISE SPECIFIED.
 4. VERIFY DIMENSIONS OF ALL EQUIPMENT.
 5. ALL DIMENSIONS ARE TO BE TAKEN AS INDICATED UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS TAKEN FROM POINT 1-1-10 UNLESS OTHERWISE SPECIFIED.

| NO. | DATE | REVISION DESCRIPTION | BY | APPROVED | NO. | DATE | REVISION DESCRIPTION | BY | APPROVED |
|-----|------|----------------------|----|----------|-----|------|----------------------|----|----------|
| 1 | | | | | 1 | | | | |
| 2 | | FOR CONSTRUCTION | | | 2 | | | | |

BISON WIND GENERATING FACILITY NEW SALEM, ND

BISON 230KV SUBSTATION ELECTRICAL PLAN & ELEVATIONS PLAN VIEW

ME-32815-17

SCALE: 1/8" = 1'-0"

BISON SUBSTATION OIL-FILLED ELECTRICAL EQUIPMENT

- a. Oil sensing devices with alarms are present on the large substation transformer. The alarm function would alert response personnel and provide an opportunity to limit the amount of oil loss.
- b. The substation surfacing is porous and was designed to retain oil from any other unit (110 gallons or less).
- c. Portions of the substation surface drain to a sediment basin which is located to the west of the substation.

Appropriate containment and/or yard drainage should prevent any contaminants from reaching navigable water. The risk of a reportable spill from this facility has been evaluated and the safeguards noted above have been constructed.

8.0 - Spill Discovery, Response & Cleanup

112.7(a)(3)(iv)

Small scale spills and leaks would normally be discovered during facility inspections which occur once every two weeks. All substation equipment including transformers and other oil-filled equipment are visually inspected as are substation containment systems. Radio and/or telephone communications are readily available for emergency use in reporting any abnormal conditions.

A catastrophic failure of oil-filled electrical equipment would normally result in a fault on the electrical transmission or distribution system. A fault on the electrical system would normally be quickly brought to the attention of the System Operators. The System Operators would immediately contact Communications Infrastructure or Tech Systems Substation C&M personnel to investigate the failure. If an oil spill does occur, qualified personnel will be dispatched immediately to clean up the spill, repair equipment, and eliminate further oil spillage. The responding crew is stationed at Minnesota Power's Center, ND HVDC Substation which is located about 25 miles to the northeast of the Bison Substation. Oil absorbent materials would be made available by the responding Minnesota Power crew.

9.0 – Disposal of Contaminated Materials

All containers/bags of cleanup debris are labeled as to their contents, the date and the spill location to allow for proper waste tracking and management.

Any Non-PCB mineral oils recovered from damaged or leaking electrical equipment are burned for energy recovery as Used Oil. Hydraulic oils and any other lubricating oils recovered from on-site equipment would also be burned as Used Oil for energy recovery. Recovered mineral oils or other fluids which contain regulated levels of PCBs are sent off-site to permitted TSD Facilities for reclamation or disposal.

Non-PCB mineral oil contaminated soils, sod and floor-dry are collected, processed and burned in a permitted industrial boiler, or sent to a permitted industrial solid waste landfill. Soils, sod, floor-dry and any other absorbents contaminated with oils which contained regulated levels of PCBs are sent to a TSCA landfill for disposal. Combustible absorbents which are contaminated with Non-PCB mineral oils, hydraulic oils or other lubricating oils are collected and sent off-site for processing and burning for energy recovery at a permitted facility.

10.0 – Contact List and Phone Numbers

112.7(a)(3)(vi)

Contact lists for equipment repair, spill containment, cleanup and regulatory agency reporting are included in this and the following Article of this Plan.

Telephone Reporting Procedure: System Reliability and Spill Cleanup

All spills of oil must be reported immediately. The person discovering a spill should notify his or her supervisor or other levels of supervision that are immediately available. The supervisor, if available, or the individual observing the spill will then contact one of the individuals listed below who are responsible for dispatching a cleanup crew.

Contact Information For Minnesota Power-Bison 1 Wind and Substation C&M Personnel

| Name | Title | Telephone |
|---------------|-----------------------------------|-----------------------|
| Timothy Mork | Reliability Coordinator | Office (701) 843-6103 |
| | Allete Renewable Resources | Cell 701 202 9644 |
| | | Home same as cell |
| Todd Simmons | Manager-Bison 1 Wind | Office (701) 843-6102 |
| | | Cell (701) 426-7820 |
| | | Home 701 751 3174 |
| David Schmitz | General Manager | Office (701) 258-0450 |
| | North Dakota Renewable Operations | Cell (701) 426-5287 |
| | | Home same as cell |
| Corey Axtman | HVDC Technician | Office (701) 843-6141 |
| | | Cell (701) 214-7285 |
| Tyler Hardy | HVDC Technician | Office (701) 843-6142 |
| | | Cell (701) 214-7236 |

Environmental Contacts

- **For Internal Environmental Incident Reporting To Minnesota Power's Environmental Department:**

Normal Business Hours (218) 722-5642, x 3200

After-Hours (or 24/7) Environmental Incidents (MP Service Dispatch) (218) 720-2764 or (218) 722-5642, x 2764

- **North Dakota Regulatory Agency Reporting Numbers**
 ND Department of Health-Water Quality (Normal Business Hours) (701) 328-5210
 Or
 ND Emergency Services (or 24/7) (800) 472-2121
- **Federal National Response Center in Washington, DC** (800) 424-8802
- **Federal EPA Region 8-Denver, CO** (303) 293-1788

11.0 – Reporting Information: Environmental 112.7(a)(4)

The supervisor, if available or the individual observing the spill will then contact personnel listed in Article 10.0 above to ensure that the appropriate environmental agency reporting occurs.

The person reporting the spill should be prepared to provide the following information:

- The name and address of the facility (reference page ii).
- The date and time of the spill.
- The source and cause of the spill; what was spilled and how much was spilled.
- Whether any surface waters were impacted by the spill. What media was affected by the spill?
- Note any other damages or injuries caused by the spill.
- Spill containment/cleanup actions taken.
- Whether any evacuations will be required because of the spill and the names and organizations of those others notified of the spill.

The regulatory agency contact numbers are listed above in Article 10.0.

12.0 – Spill Response Procedures 112.7(a)(5)

Spill response procedures have been discussed above in Articles 8, 9, 10 and 11.

13.0 – Predicted Direction, Rate of Flow, & Quantity of Potential Spills 112.7(b)

The number of variables in location of equipment, degree of failure, and the response of personnel make predicting the quantity of a potential spill difficult.

Failures resulting in oil losses could occur in any of the equipment listed in Section 5.0. Structural damage of oil filled electrical equipment is usually confined to the bushings, mechanical relief devices, access holes and the side wall/cover interface. Since the physical location of these elements is near the top of the equipment, oil normally remains inside the equipment. In the event a pressure relief valve operates, approximately 10 gallons of oil could be released. Under extreme conditions, up to 50 gallons could be released. Discharge of oil from this facility as a result of such a failure is unlikely and the potential for equipment failures resulting in an oil spill reaching navigable waters is remote.

In the event of a catastrophic failure of electrical equipment, the secondary containment mechanisms of Article 7 would be effective.

14.0 – Containment Structures or Equipment 112.7(c)
See Article 7.0 of this SPCC Plan.

15.0 – Impractical Containment Situations 112.7(d)
All containment measures discussed in Article 7.0 have been constructed.

16.0 – Inspections, Tests, & Records 112.7(e)

16.1 Inspections

The electrical equipment at this facility is inspected once every two weeks by operating personnel for signs of deterioration, leaks, or accumulation of oil on the ground. Personnel conducting inspection of this facility should make notifications as per Article 10.0 if abnormal conditions are observed.

Personnel conducting inspections of these facilities shall, after finding everything in order, sign the Oil Spill Inspection Log certifying that no evidence of an oil spill has been observed. These Oil Spill Inspection Logs shall remain at the site for a period of at least five years, preferably indefinitely. For a sample inspection log, see Attachment D to this document.

16.2 Spill Report

The sample Spill Report found in Attachment E has been adopted by Minnesota Power for use in documenting oil spill incidents. It is intended to provide information required for record-keeping purposes as well as future planning of oil containment facilities.

17.0 – Personnel, Training, and Discharge Prevention Procedures 112.7(f)

17.1 Training Contents 112.7(f)(1)

Maintenance crews are trained in the proper operation and maintenance of oil filled electrical equipment and oil handling equipment to reduce the potential for discharge. Maintenance crews are trained in discharge procedure protocols, applicable pollution control laws, rules and regulations, general facility operations, and the contents of this SPCC Plan. Maintenance crews are also trained in the use of oil containment equipment and absorbent materials to contain and clean up discharged oil.

17.2 Accountable Person 112.7(f)(2)

Todd Simmons, Manager Bison 1 Wind, is accountable for oil spill prevention at this facility.

17.3 Training Frequency 112.7(f)(3)

Exercises and briefings reviewing oil spill response procedures including material availability, equipment operation, etc., will be conducted on an annual basis for personnel responsible for inspection and oil spill cleanup.

18.0 – Security 112.7(g)

18.1 Facility Fencing 112.7(g)(1)

The Bison Substation is fully fenced and the entrance gate is locked when the facility is not staffed.

18.2 Drain Valves **112.7(g)(2)**
Drain valves for energized electrical equipment are equipped with blank flanges, caps, or plugs.

18.3 Oil Pumps **112.7(g)(3)**
The 230/34.5 kV transformer is surrounded by a containment pit which contains a sump. The sump is equipped with an electric pump which is manually started to remove precipitation following an inspection to confirm that the precipitation is not contaminated with oil.

18.4 Loading/Unloading Connections **112.7(g)(4)**
See Article 19.0.

18.5 Facility Lighting **112.7(g)(5)**
Lighting is adequate to observe spills during darkness and to discourage vandalism.

19.0– Facility Tank Car & Tank Truck Unloading **112.7(h)**
The facility does not contain Tank Car and Tank Truck Unloading equipment. The use of tank trucks for loading and unloading of oil from electrical equipment is described in Section 6.0 of this SPCC Plan.

20.0 – Field Constructed Aboveground Container **112.7(i)**
This facility does not utilize field-constructed containers.

21.0 – Other Applicable State Rules, Regulations, and Guidelines **112.7(j)**
Regulations of the North Dakota Dept. of Health and federal EPA will be complied with. Efforts to avoid spills of petroleum must be undertaken and preparations must be made to respond to potential spill scenarios. Spill response includes scene safety, oil containment, spill reporting, spill clean-up and waste management.

22.0 – Conformance With 40 CFR 112.7 and 112.8 **112.8(a)**
The facility design and operation conforms to the requirements given the containments discussed in Article 7.0.

23.0 – Facility Drainage **112.8(b)**

23.1 Draining Diked Area With Pumps, Ejectors **112.8(b)(1)**
See Article 18.3.

23.2 Draining Diked Areas With Valves **112.8(b)(2)**
Not Applicable.

23.3 Containment For Undiked Areas **112.8(b)(3)**
As discussed in Article 7.0.

23.4 Diversion Systems For Undiked Areas **112.8(b)(4)**
As discussed in Article 7.0.

23.5 Drainage Treatment Units **112.8(b)(5)**
This site has been engineered to prevent oil from reaching navigable waters. There are no drainage treatment units at the facility.

24.0 – Bulk Storage Containers

112.8(c)

This facility has no bulk storage containers.

25.0 – Facility Transfer Operations

112.8(d)

Periodic maintenance operations require the use of portable oil-filled equipment and tanks. This equipment will be temporarily located within the confines of the substation during maintenance of oil-filled equipment. The volume of oil in these portable pieces of equipment and tanks is not expected to exceed the quantity contained by the largest permanent piece of equipment located at this facility. Maintenance personnel will be present at all times during operations which require the transfer of oil.

25.1 Piping Corrosion Protection

112.8(d)(1)

There is no buried oil piping at this site.

25.2 Capping & Marking Terminal Connections

112.8(d)(2)

Drain connections on electrical equipment are capped and valves are closed.

25.3 Pipe Support Design

112.8(d)(3)

Not applicable

25.4 Inspections and Testing

112.8(d)(4)

Not applicable

25.5 Traffic Notification

112.8(d)(5)

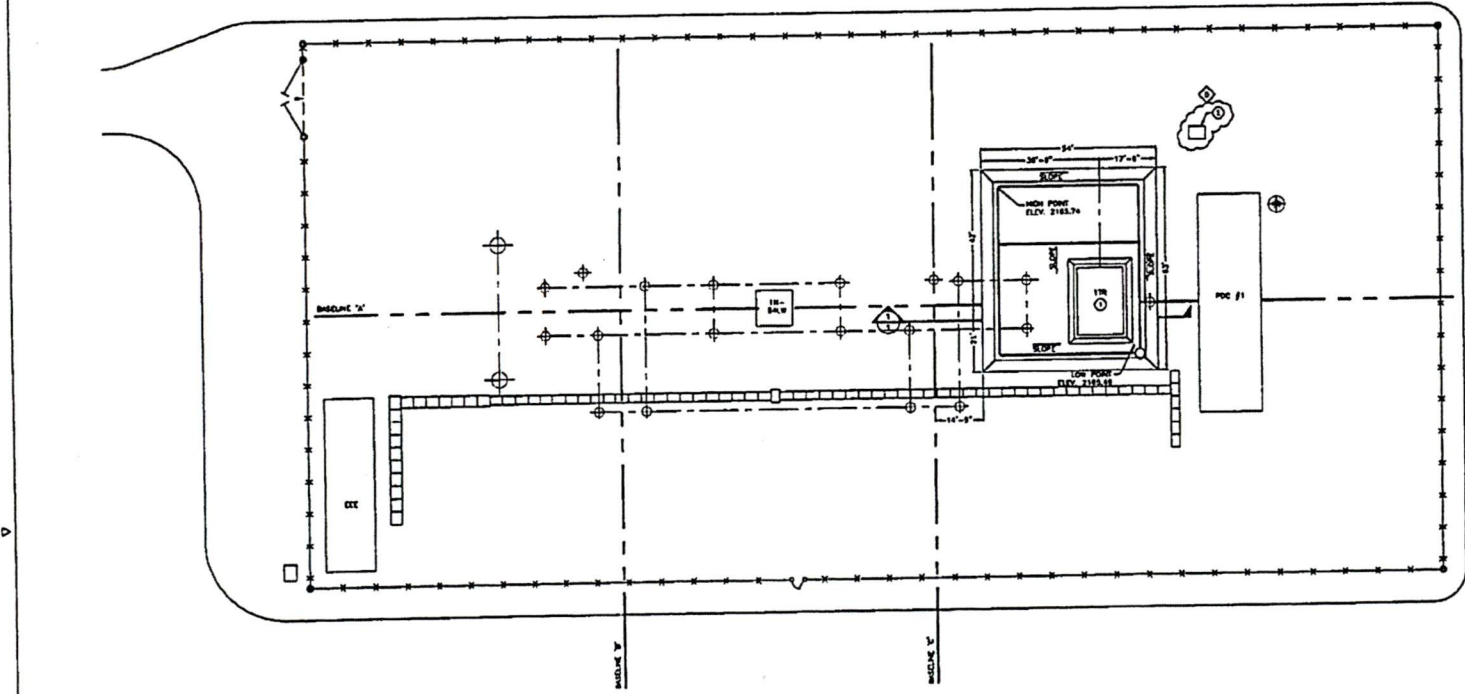
There is no overhead piping

ATTACHMENT A

DRAWING ME-32815-12

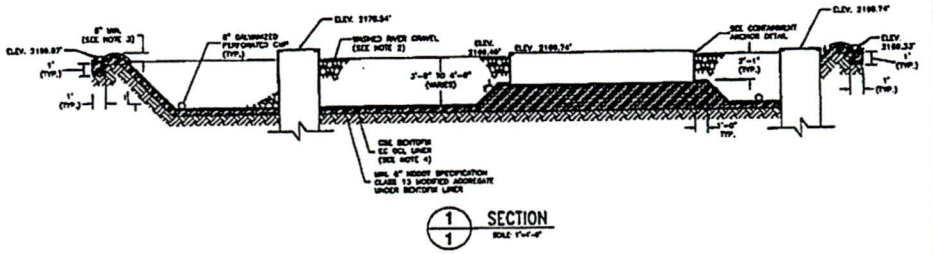
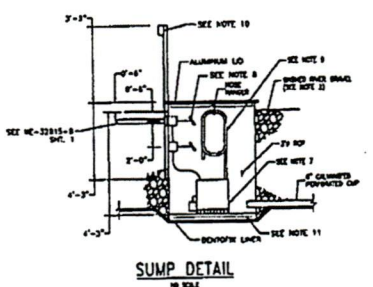
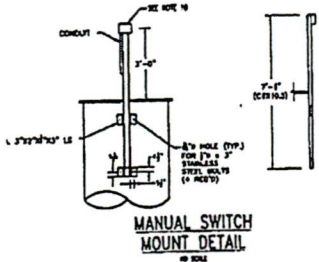
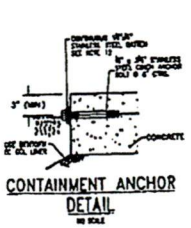
BISON SUBSTATION ATTACHMENT A

| EQUIPMENT CONTAINING OIL | | | | | |
|--------------------------|-----------------|-----------------------|------------------|---------------|-------------|
| MARK NO. | NUMBER OF UNITS | DESCRIPTION | GALLONS PER UNIT | TOTAL GALLONS | OIL TYPE |
| ① | 1 | 230KV TRANSFORMER | 14,199 | 14,199 | MINERAL OIL |
| ② | 1 | PAD MOUNT SWITCH GEAR | 110 | 110 | MINERAL OIL |



- NOTES**
- OIL CONTAINMENT BASH SHALL BE SPALLED AROUND PERM. CONDUIT & PIPE PENETRATIONS, AS PER MANUFACTURER'S INSTRUCTIONS, TO BE COORDINATED WITH SITE GRADING.
 - OIL CONTAINMENT AREA PROFILES SHALL HAVE A MINIMUM OF 48" VOR 48" OIL. OIL CONTAINMENT AREA PROFILES SHALL BE 1-1/2" TO 2" SIZE, OR GRADATION MEETING ASTM C33 SIZE NO. 30.
 - OIL CONTAINMENT SHALL BE CONSTRUCTED TO THE ELEVATIONS SHOWN. THE MINIMUM BASH HEIGHT SHALL BE 6" ABOVE GRADE.
 - INSTALL ONE BOTTOMS (2) OIL LINES OVER BASH AND SIDE SLOPES OF BASH PER MANUFACTURER'S RECOMMENDATIONS. CONDUIT WITH ONE 1/2" OIL LINE TO PROTECT LINES AGAINST PUNCTURE. LINES SHALL BE PURCHASED FROM OIL LINE TECHNOLOGY, INC. 201/443-8844.
 - BOTTOM OF OIL CONTAINMENT SHALL BE SLOPED TO DRAIN TO PERFORATED DRAIN PIPE AND DRAIN.
 - CONDUIT FOR OIL EQUIPMENT SHALL NOT UNDERLIE TRANSFORMER BASH.
 - DRAIN PUMP SHALL BE A NON-DISCHARGE, STAINLESS STEEL, 1/2" HP WITH 1-1/2" DRAIN OUTLET AND AUTOMATIC FLOW SWITCH. PUMP SHALL BE MOUNTED TO WATERPROOF SWITCH ISOLATED ON THE INSIDE OF THE BASH. PUMP SHALL BE MONITOR-COMER ITEM NO. 42900332 OR OMR/DOUGHER APPROVED EQUAL.
 - FLOW SWITCH SHALL BE MONITOR-COMER ITEM NO. 48810411 OR OMR/DOUGHER APPROVED EQUAL. SWITCH SHALL BE ON WATER LEVEL AT 3'-0" BELOW TOP OF BASH DRAIN. HIGH SWITCH SHALL BE ON HIGH WATER LEVEL AT 4' BELOW TOP OF RIVER DRAIN.
 - CONTAINMENT BASH SHALL BE DRAINED UNILATERAL USING DISCHARGE PIPE.
 - MANUALLY OPERATED SWITCH TO BE LOCATED 3' FROM TOP OF BASH. SWITCH BOX SHALL BE WATER-TIGHT FOR OUTDOOR INSTALLATION, WITH HINGED COVER.
 - BASH SHALL BE ON A 3'-0" x 2'-0" x 4"-0" THICK CONCRETE SLAB WITH ONE LAYER OF 1/2" x 1/2" WIRE MESH. SEE NOTE 11.
 - TOP OF STEEL BATTERY SHALL BE GRADED TO SEAL BASH AROUND FOUNDATION.

| REFERENCE DRAWINGS | |
|---------------------|---------------|
| TITLE | DRAWING NO. |
| SEE 0 FERRASSI PLAN | ME-32815-0-01 |



| NO. | DATE | REVISION DESCRIPTION | BY | APPROVED | NO. | DATE | REVISION DESCRIPTION | BY | APPROVED |
|-----|----------|-------------------------|-----|----------|-----|----------|-------------------------|-----|----------|
| 1 | 08-18-10 | ISSUED FOR CONSTRUCTION | SWP | SWP | 1 | 08-18-10 | ISSUED FOR CONSTRUCTION | SWP | SWP |

**BISON WIND GENERATING FACILITY
NEW SALEM, ND**

BISON 230KV SUBSTATION
SPCC PLAN
SHEET 1 REV 0
ME-32815-12
SCALE: AS NOTED
DATE: 08-18-10
BY: SWP
CHECKED: SWP
DATE: 08-18-10

ATTACHMENT B

SPCC AMENDMENTS SUMMARY AND DETAILS

Bison Substation

| | <u>Reviewer(signature)</u> | <u>Reviewer(print)</u> | <u>Date</u> | <u>Will The SPCC Plan Be Amended?</u> | <u>P.E. Stamp Required?</u> |
|----|----------------------------|------------------------|-------------|--|-----------------------------|
| 1 | See Cover | Michael D. French | See Cover | Plan Created New As Of Plan Cover Date | See Cover |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |

BISON SUBSTATION

SPCC Amendment Detail Log

| <u>Item Number</u> | <u>Item Description</u> |
|------------------------|---|
| 1 | <p>The Bison Substation was constructed to collect and transfer electrical energy from the Bison 1 wind turbines and forward that electrical energy to Minnesota on the DC transmission line system.</p> <p>This SPCC Plan was newly created for the recently constructed Bison Substation.</p> |

ATTACHMENT C

CERTIFICATION OF THE APPLICABILITY
OF THE SUBSTANTIAL HARM CRITERIA CHECKLIST

FACILITY NAME: Bison Substation, New Salem, North Dakota..

FACILITY ADDRESS: . The site address is 5198 30th Street, New Salem, North Dakota, 58563.

1. Does the facility transfer oil over water to from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
Yes _____ No X
2. Does the facility have a total storage capacity greater than or equal to one million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?
Yes _____ No X
3. Does the facility have a total storage capacity greater than or equal to one million gallons and is the facility located at a distance (as calculated using the formula in Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula¹) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II and III to DOC/NOAA's "Guidance for Facility and Vessel Response Environments" (Section 10, Appendix E, 40 CFR 112 for availability) and the applicable Area Contingency Plan.
Yes _____ No X
4. Does the facility have a total storage capacity greater than or equal to one million gallons and is the facility located at a distance (as calculated using the formula in Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula¹) such that a discharge from the facility would shut down a public drinking water intake?
Yes _____ No X
5. Does the facility have a total storage capacity greater than or equal to one million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?
Yes _____ No X

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate and complete.

Name Michael D. French



Signature

Title Consulting Civil Engineer-PE

Oct 25, 2011

Date

¹ If a comparable formula is used, documentation of the reliability and analytical soundness of the comparable formula must be attached to this form.

² For the purposes of CFR Part 112, public drinking water intakes are analogous to public water systems as described at 40 CFR 143.2 (c). (from 40 CFR 112 Appendix C, Attachment C-II).

ATTACHMENT D

Facility Weekly Inspection Log

ATTACHMENT F
Reference Plan Article 10.0

ATTACHMENT G

Records of Draining Containment Areas
Incorporated with the inspection Logs in Attachment D

ATTACHMENT H

Inspections & Testing of Bulk Storage Containers
Not Applicable To The Bison Substation

ATTACHMENT I

High Level Alarm Test Records For Bulk Storage Containers
Not Applicable to the Bison Substation

ATTACHMENT J

Integrity Testing For Buried Piping For Bulk Storage Containers
Not Applicable To The Bison Substation



Custer Health Unit

Residential Onsite Sewage Treatment System Permit
210 2nd Avenue NW Mandan ND 58554 701 667-3370 Fax 701-667-3371
Stanton Office: Mercer County Courthouse 1020 Arthur Street Stanton, ND 58571

This permit expires six (6) months from date of issuance:

2/23/2011

Permit Number: 30 2010-039

Township: **140** Range: **86** Section: **4** **Morton**

a parcel in the NW corner of

Subdivision: Lot: Block:

Applicant Information:

Bison Wind Farm, Michels Wind Energy

Po Box 128

Brownsville, TX 53006

Property Information:

29 St. W

New Salem, ND 58563

Number of Bedrooms:

3

Licensed Installer:

Do Mor, Inc.

Work Type & Requirements:

New

System for admin building. See spec sheet. Tank placement setback waived to less than 10 feet.

PERMISSION IS HEREBY GRANTED TO ABOVE APPLICANT TO INSTALL, REPLACE, ALTER OR ADD TO THE OSTS ON THE PROPERTY DESCRIBED HEREIN. THE SYSTEM MUST BE INSTALLED IN COMPLIANCE WITH ND STATE PLUMBING CODE CHAPTER 62-03.1-03 AND THE REGULATIONS OF CUSTER HEALTH UNIT. THIS PERMIT DOES NOT CARRY ANY WARRANTY OR GUARANTEE, STATED OR IMPLIED THAT THE SYSTEM WILL FUNCTION BUT CERTIFIED THE SYSTEM MEETS THE MINIMUM PRESCRIPTIVE STANDARDS CONTAINED IN THE AFOREMENTIONED CODE AND REGULATIONS FOR CONSTRUCTION PARAMETERS.

Issued By:

Aaron Johnson

Digitally signed by Aaron Johnson

DN: cn=Aaron Johnson, o=Custer Health, ou=Environmental Health, email=ajohnson@custerhealth.com, c=US

Date: _____

Inspection Notes:

Date: 2013.02.07 08:49:28 -06'00'

System is composed of a 1000 gallon working capacity main septic tank with a 500 gallon pump tank. Pressure distribution to a distribution box, with gravity flow to the treatment area. Treatment area is 900 square feet composed of 3' gravelless chambers. System will service 1 full 8 hour shift as well as surge use from service crews. System is approved for use.

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|----------|------------|------------------|--------------------------|---|
| Receipt: | Inspected: | Inspection Date: | THIS SYSTEM IS CERTIFIED | YES <input checked="" type="checkbox"/> |
| | | | AS COMPLYING WITH | NO (SEE INSPECT NOTES) |
| 631 | YES | 8/25/2010 | CODE REGULATIONS: | INITIALS: <u>AKJ</u> |

