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January 13, 2012

Dr. Burl W. Haar
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101-2147

**RE: Comments and Recommendations of Department of Commerce
Energy Facility Permitting Staff
Docket No. E6465/WS-05-1220**

Dear Dr. Haar:

Attached are comments and recommendations of Department of Commerce, Energy Facility Permitting (EFP) staff in the following matter:

In the Matter of the Request for Approval of Transfer of the Site Permit for the Jeffers Wind Energy Center to Jeffers Wind 20, LLC.

The petition was filed on February 7, 2011 by:

Grace Demos Winters
O'Melveny & Myers LLP
On behalf of Jeffers Wind 20, LLC
3 MacArthur Place, Suite 100
Santa Ana, CA 92707

EFP staff recommends transfer of the site permit with conditions. Staff is available to answer any questions the Commission may have.

Sincerely,

A handwritten signature in black ink that reads "Ray Kirsch". The signature is written in a cursive, flowing style.

Ray Kirsch
DOC EFP Staff

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BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

**COMMENTS AND RECOMMENDATIONS OF
MINNESOTA DEPARTMENT OF COMMERCE
ENERGY FACILITY PERMITTING STAFF**

DOCKET NO. E6465/WS-05-1220

Meeting Date: January 26, 2012

Agenda Item # _____

Company: Summit Wind, LLC
Jeffers Wind 20, LLC

Docket No. E6465/WS-05-1220

**In the Matter of the Request for Approval of Transfer of the Site Permit
for the Jeffers Wind Energy Center to Jeffers Wind 20, LLC**

Issue(s): Should the Commission approve the transfer of the site permit for the Jeffers
Wind Energy Center? If so, what conditions, if any, should attach to the
transfer?

EFP Staff: Ray Kirsch.....651-296-7588

Relevant Document(s)

- Request for Transfer of Site Permit.....February 7, 2011
- Notice of Request for Transfer of Site Permit.....February 7, 2011
- Request for Information on Proposed Site Permit Transfer..... November 15, 2011
- Jeffers Wind 20, LLC Informational Filing.....November 21, 2011

The enclosed materials are work papers of Department of Commerce, Energy Facility Permitting (EFP) staff. They are intended for use by the Public Utilities Commission and are based on information already in the record unless otherwise noted.

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Documents Attached

1. Site Permit for Large Wind Energy Conversion System in Cottonwood County Issued to Summit Wind, LLC, EQB Docket No. 05-96-LWECS-SW & MPUC Docket No. E6465/WS-05-1120.
2. Site Permit, Amended Exhibit 2, Complaint Reporting Procedure
3. Site Permit, Exhibit 4, Compliance Filing Procedure
4. Site Permit, Amended Sections III.H.1 and III.H.2

Additional documents and information can be found on eDockets:

<https://www.edockets.state.mn.us/EFiling/search.jsp> (05-1120) and on the Commission's energy facility permitting website: <http://energyfacilities.puc.state.mn.us/Docket.html?Id=17481>.

Statement of the Issues

Should the Commission approve the transfer of the site permit for the Jeffers Wind Energy Center to Jeffers Wind 20, LLC, per Minnesota Rule 7854.1400? If so, what conditions, if any, should attach to the transfer?

Introduction and Background

On September 22, 2005, the Commission issued a site permit for the Jeffers Wind Energy Center to Summit Wind, LLC (Summit Wind).¹ The permit authorized construction and operation of an up to 60 megawatt (MW) large wind energy conversion system (LWECS) in Cottonwood County, Minn. The LWECS was proposed and permitted as a phased project – phase one consisting of 10 MW and phase two consisting of 50 MW. At the time of permit issuance, Summit Wind had a power purchase agreement (PPA) for phase one of the project but not for phase two. Summit Wind was required by the permit to obtain a PPA for all electricity generated by the project prior to construction of the project.²

Constructed Project and Power Purchase Agreement

The Jeffers Wind Energy Center, as constructed, consists of 20 Clipper 2.5 MW “Liberty” turbines, with a nominal electrical output of 50 MW. Thus, phase two of the project was constructed; phase one was not. The project entered commercial operation on August 27, 2008.³ The electrical output of the project is sold to Northern State Power Company (Xcel Energy) through a PPA approved by the Commission in November 2006.⁴

¹ Site Permit for Large Wind Energy Conversion System in Cottonwood County Issued to Summit Wind, LLC, EQB Docket No. 05-96-LWECS-SW & MPUC Docket No. E6465/WS-05-1120 [hereafter Site Permit] | [Site Permit](#).

² Site Permit, Section III.J.4. Summit Wind was required to advise the Commission when it obtained a PPA for phase two of the project. Id.

³ [Informational Filing](#), Jeffers Wind 20, LLC, November 21, 2011 [hereafter Informational Filing]

⁴ [Notice of Approval of C-BED Project](#), PUC Docket No. E-002/M-06-1234. The PPA is between Xcel Energy and Jeffers Wind 20, LLC.

Project Ownership

The ownership of the Jeffers Wind Energy Center has been divided between two entities – Summit Wind, the permittee, and Jeffers Wind 20, LLC, the constructor and manager of the project. Jeffers Wind 20, LLC (Jeffers Wind 20) is a Minnesota limited liability company formed in April 2006.⁵ Edison Mission Energy (EME), through its subsidiary, Mission Minnesota Wind III Inc., is currently the managing member of Jeffers Wind 20. The role of Jeffers Wind 20 in the Jeffers Wind project has been to develop, construct, and operate the Jeffers Wind Energy Center. Summit Wind has served a more singular purpose for the project – seeking and obtaining the site permit for the Jeffers Wind Energy Center from the Commission.

In September 2006, Summit Wind entered into an operating agreement with a subsidiary of Edison Mission Energy.⁶ Subsequently, Summit Wind assigned its assets to Jeffers Wind 20. Summit Wind assigned its rights, title, and interests in the site permit for the Jeffers Wind Energy Center to Jeffers Wind 20 on October 22, 2007.⁷ Approximately three and one-half years later, Jeffers Wind 20 requested that the Commission approve a transfer of the site permit for the Jeffers Wind Energy Center to Jeffers Wind 20.⁸ In the interim between the site permit assignment and Jeffers Wind 20's request for Commission approval of the transfer, the Jeffers Wind Energy Center was operated by Jeffers Wind 20.

Regulatory Process and Procedures

Minnesota Rule 7854.1400 describes the process and standard for Commission review and approval of an LWECs site permit transfer. The current permittee must provide “the name of the existing permittee, the name and description of the person to whom the permit is to be transferred, the reasons for the transfer, a description of the facilities affected, and the requested date of the transfer” (Minn. Rule 7854.1400, Subp. 1). The permittee must provide notice of the transfer request to “those persons identified by the PUC as interested in the matter.” (Minn. Rule 7854.1400, Subp. 1). The Commission may approve the transfer if it determines that the “new permittee will comply with the conditions of the permit” (Minn. Rule 7854.1400, Subp. 2).

The Commission may impose reasonable additional conditions in the permit as part of the transfer approval (Minn. Rule 7854.1400, Subp. 2). The Commission may also decide to hold a public meeting to gather public comments on the proposed transfer (Minn. Rule 7854.1400, Subp.2).

As the notice requirement of Minnesota Rule 7850.1400 is indefinite as to the type and extent of notice to be given for a permit transfer, EME, on behalf of Jeffers Wind 20, consulted with

⁵ Informational Filing.

⁶ Id.

⁷ [Request for Transfer of Site Permit](#), February 7, 2011.

⁸ Id. The request for transfer of the site permit for the Jeffers Wind Energy Center was made by counsel for Jeffers Wind 20. The request includes: (a) A letter dated October 1, 2010, to the Commission from Summit Wind requesting transfer of the site permit to Jeffers Wind 20, and (b) An agreement dated October 22, 2007, between Summit Wind and Jeffers Wind 20 assigning Summit Wind's rights to the site permit for the Jeffers Wind Energy Center to Jeffers Wind 20. Neither of these documents was received by the Commission prior to the February 7, 2011, request by Jeffers Wind 20.

Department of Commerce, Energy Facility Permitting (EFP) staff as to the appropriate means of meeting this requirement. EFP staff recommended that notice be sent to the project mailing list for the original permitting process and that notice recipients be given 30 days for comment. On February 7, 2011, Jeffers Wind 20, on behalf of EFP staff, issued a notice of the site permit transfer request and associated 30-day comment period to the project mailing list for the Jeffers Wind Energy Center.⁹ No comments were received by EFP staff in response to this notice.

In addition to Minnesota Rule 7850.1400, the site permit issued by the Commission for the Jeffers Wind Energy Center contains a permit transfer provision (see attached site permit, Section III.K.6). The provision states that a transfer of the permit may not occur without approval of the Commission and that the permittee shall provide the Commission “with such information about the transfer as the [Commission] requires to reach a decision.”¹⁰ The provision does not provide a standard for approval of the permit transfer. Thus, the standard for approval is found solely in Minnesota Rule 7850.1400 – whether the new permittee will comply with the conditions of the permit.

EFP Staff Analysis and Comments

EFP staff has reviewed Jeffers Wind 20’s request for a permit transfer, the site permit issued by the Commission for the Jeffers Wind Energy Center, and information submitted by Jeffers Wind 20 in support of the permit transfer. Staff believes that approval of the permit transfer, with conditions, is warranted.

The site permit for the Jeffers Wind Energy Center includes a variety of permit conditions (see attached site permit, Section III). These conditions primarily address concerns related to the design and construction of the project, e.g., mitigation measures, setbacks, preconstruction surveys, site layout restrictions. As the project is constructed and in use, these conditions are moot. Whether the proposed new permittee can comply with these conditions is not relevant here.

There are conditions in the site permit that represent on-going commitments, i.e., commitments beyond the construction stage of the project. These include commitments related to:

- (1) The decommissioning plan for the project (III.G.1)
- (2) Site restoration upon termination of operations (III.G.2)
- (3) Project reporting – energy production, wind resource use, extraordinary events, complaints (III.H)

Decommissioning and Site Restoration

All site permits issued by the Commission for LWECs include the requirement that a permittee have a decommissioning plan for the permitted project and that this plan be filed with the

⁹ [Notice of Request for Transfer of Site Permit Issued to Summit Wind for Jeffers Wind Energy Center](#), February 7, 2011.

¹⁰ Site Permit, Section III.K.6.

Commission.¹¹ It is understood that the permittee will execute the plan that they file. In its site permit application for the Jeffers Wind Energy Center, Summit Wind estimated the cost for decommissioning the project at \$500,000 (2005 dollars) and noted that decommissioning funds will be set aside as a specific budget item.¹²

Jeffers Wind 20 relates that the decommissioning plan remains as described in the site permit application.¹³ Jeffers Wind 20 indicates that it has assumed responsibility for decommissioning and site restoration by including this liability in its financial statements.¹⁴ EFP staff believes that this financial diligence indicates that Jeffers Wind 20 will comply with the decommissioning and site restoration conditions contained in the site permit for the Jeffers Wind Energy Center.

Project Reporting

The site permit for the Jeffers Wind Energy Center contains reporting requirements for four categories of data: energy production, wind resource use, extraordinary events, and complaints.¹⁵ This reporting is primarily informational. For example, it is beneficial for Commission and EFP planning purposes to have information on project energy production and wind resource use, but such information is not critical for Commission siting purposes. However, there are substantive elements to the reporting. The reporting of extraordinary events and complaints is not intended as an exercise in reporting but rather as a means of ensuring prompt and direct resolution of these events.

Compliance with the reporting requirements of the site permit to date has been very poor – no compliance reporting has occurred. This lack of reporting does not reflect well on the proposed new permittee, Jeffers Wind 20, who has been operating the Jeffers Wind Energy Center since 2008. However, EFP staff believes that this lack of reporting can be remedied and should not impede transfer of the site permit.

As an initial matter, at the time of permit issuance for the Jeffers Wind Energy Center, the electronic docketing system currently used by the Commission (eDockets) was in its infancy. Additionally, it was during this time period that responsibility for permitting of LWECS passed from the Minnesota Environmental Quality Board to the Commission. It is understandable that reporting requirements which came into force during this period of change could be missed. However, with eDockets now firmly established, there are few procedural barriers to proper permit compliance.

By way of remedy, EFP staff believes it would be appropriate to place conditions on this permit transfer to ensure compliance reporting that is in accord with the site permit, the Commission's

¹¹ See, e.g., Site Permit, Section III.G. Decommissioning plans are required in all LWECS site permit applications, Minn. Rule 7854.0500, Subp. 13.

¹² [Site Permit Application for a Large Wind Energy Conversion System](#), Jeffers Wind Energy Center, June 2005, Section 11.

¹³ Informational Filing.

¹⁴ Id. Jeffers Wind 20 notes that it has booked a liability of approximately \$1.8 million dollars (current value) on its financial statements to cover the costs of decommissioning.

¹⁵ Site Permit, Section III.H.

eFiling expectations, and current LWECS site permits. EFP staff suggests the following conditions:

- (1) In accordance with the site permit, Jeffers Wind 20 must identify, within 10 days of Commission authorization of the site permit transfer and by eFiling, a representative who will be responsible for compliance reporting, including the collecting and transmitting of complaints to the Commission.¹⁶
- (2) The representative identified by Jeffers Wind 20 must meet (directly or via teleconference) with EFP staff to review compliance reporting requirements of the permit, as amended to reflect:
 - a. The Commission's electronic docketing system (eDockets) (see attached amended Exhibit 2 and new Exhibit 4).
 - b. Current LWECS reporting requirements for project energy production and wind resource use (see attached amended site permit, sections III.H.1 and III.H.2)

Project Size

The site permit for the Jeffers Wind Energy Center authorizes an LWECS of up to 60 MW in size. The project as constructed is 50 MW in size. Thus, 10 MW of generating capacity could, in accordance with the site permit, be added to project.

Jeffers Wind 20 has indicated that it has no plans to expand the Jeffers Wind Energy Center.¹⁷ Jeffers Wind 20 intends to operate the project as it exists today, a 50 MW project. Additionally, it is Jeffers Wind 20's understanding that a site permit for an LWECS cannot be partitioned among several entities.¹⁸ Thus, it does not intend to sell or assign the rights to the 10 MW of currently undeveloped capacity in the Jeffers Wind Energy Center.

EFP staff believes that it would be appropriate for the Commission, as a reasonable condition on the transfer of the site permit for the Jeffers Wind Energy Center, to amend the permit to authorize an LWECS of up to 50 MW – the current size of the Jeffers project. Such an amendment would be consistent with the intentions of Jeffers Wind 20. Additionally, amending the permit so that is consistent with the project as built, removes any ambiguity regarding the 10 MW of undeveloped capacity under the permit and provides opportunity for wind resources in the area of the Jeffers Wind Energy Center to be developed.

¹⁶ Site Permit, Exhibit 2, Section 5B. "The permittee shall assign an individual to summarize complaints for transmittal to the MPUC." Id.

¹⁷ Informational Filing.

¹⁸ EFP staff is not aware of any LWECS projects in Minnesota that have proposed partitioning or have been partitioned. LWECS siting statutes and rules do not speak directly to this point. Minn. Rule 7850.1400 anticipates transfer of a permit from a permittee to "a person" (one person) rather than a number of persons. Minn. Rule 7850.1300 allows for amendment of a permit but does not provide guidance on the types of amendments allowable under the rule.

Public Meeting

Based on Jeffers Wind 20's request for a permit transfer, the additional information provided by Jeffers Wind 20, and the fact that no public comments were received on the proposed permit transfer, EFP staff believes that a public meeting to receive comment on the proposed transfer is not warranted.

Commission Decision Options

- A. Authorize the transfer of the site permit for the Jeffers Wind Energy Center from Summit Wind, LLC to Jeffers Wind 20, LLC, with the following conditions:
- (1) In accordance with the site permit, Jeffers Wind 20 must identify, within 10 days of Commission authorization of the site permit transfer and by eFiling, a representative who will be responsible for compliance reporting, including, but not limited to, the collecting and transmitting of complaints to the Commission.
 - (2) The representative identified by Jeffers Wind 20 must meet (directly or via teleconference) with EFP staff to review compliance reporting requirements of the permit, as amended to reflect:
 - a. The Commission's electronic docketing system (eDockets).
 - b. Current LWECS reporting requirements for project energy production and wind resource use.
 - (3) Amend the site permit for the Jeffers Wind Energy Center to include amended Exhibit 2 and new Exhibit 4 (attached).
 - (4) Amend the site permit for the Jeffers Wind Energy Center to include amended sections III.H.1 and III.H.2 (attached).
 - (5) Amend the site permit for the Jeffers Wind Energy Center to authorize an up to 50 MW large wind energy conversion system.
- B. Authorize the transfer of the site permit for the Jeffers Wind Energy Center from Summit Wind, LLC to Jeffers Wind 20, LLC without conditions or with a condition(s) other than stated in "A" above.
- C. Authorize a public meeting to receive public comment on the proposed permit transfer.
- D. Make some other decision deemed more appropriate.

DOC EFP Staff Recommendation: Option A.



STATE OF MINNESOTA PUBLIC UTILITIES COMMISSION

**SITE PERMIT FOR
LARGE WIND ENERGY CONVERSION SYSTEM
IN COTTONWOOD COUNTY**

ISSUED TO

SUMMIT WIND, LLC

**EQB DOCKET NO. 05-96-LWECS-SW
&
MPUC DOCKET NO. E6465/WS-05-1220**

In accordance with Minnesota Statutes Section 116C.694 this Site Permit is hereby issued to:

SUMMIT WIND, LLC

Summit Wind, LLC is authorized to construct and operate up to a 60 (nominal)-Megawatt Large Wind Energy Conversion System on the site identified in this Site Permit and in compliance with the conditions contained in this Permit.

This Permit shall expire on December 31, 2035

Dated: September 22, 2005

BY ORDER OF THE COMMISSION

A handwritten signature in cursive script, appearing to read "Burl W. Haar", is written over a horizontal line.

BURL W. HAAR
Executive Secretary

(SEAL)

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I. SITE PERMIT

This Site Permit for a Large Wind Energy Conversion System authorizes Summit Wind, LLC, (hereinafter "Permittee") to construct up to a nominal 60-Megawatt LWECS and associated facilities known as the Jeffers Wind Energy Center in Cottonwood County, Minnesota, on a site of approximately 8,320 acres in accordance with the conditions contained in this Permit. The site boundary is shown on the map that is attached hereto as Exhibit 1.

II. PROJECT DESCRIPTION

The 60-Megawatt LWECS authorized to be constructed in this Permit is referred to as the Jeffers Wind Energy Center and will be owned and operated by Summit Wind, LLC. The project will consist of up to 38 wind turbines with a nominal nameplate capacity of 60-Megawatts. Turbines are interconnected by communication and electrical power collection facilities within the wind farm. These facilities will include transformers and underground collector lines, and feeder lines that will deliver wind-generated power to a new switchyard adjacent to the Storden Junction Substation located in Section 28 in Storden Township in Cottonwood County.

III. CONDITIONS

The following conditions shall apply to site preparation, construction, cleanup, restoration, operation, maintenance, abandonment, decommissioning and all other phases of the LWECS. The MPUC preserves all available remedies for violation of any of these Permit conditions, including revocation or modification of the Permit.

A. GENERAL CONSTRUCTION CONDITIONS

1. SITE PLAN

Prior to commencing construction, the Permittee shall submit to the MPUC a site plan for all turbines, roads, electrical equipment, collector and feeder lines and other associated facilities to be constructed and engineering drawings for site preparation, construction of the facilities, and restoration of the site due to construction. The Permittee may submit a site plan and engineering drawings for only a portion of the LWECS if the Permittee is prepared to commence construction on certain parts of the project before completing the site plan and engineering drawings for other parts of the LWECS. The Permittee shall have the right to move or relocate turbine sites due to the discovery of environmental conditions during construction, not previously identified, which by law or pursuant to this Permit would prevent such use. The Permittee shall notify the MPUC of any turbines that are to be relocated before the turbine is constructed on the new site.

2. FIELD REPRESENTATIVE

Prior to the start of construction and continuously throughout construction and site restoration, the Permittee shall designate a field representative responsible for overseeing compliance with the conditions of this Permit. This person (or a designee) shall be accessible by telephone during normal business hours. This person's address, phone number and emergency phone number shall be provided to the MPUC, who may make the number available to local residents and officials and other interested persons. The Permittee may change the field representative by notification to the MPUC.

3. PRECONSTRUCTION MEETING

Prior to the start of any construction, the Permittee shall conduct a preconstruction meeting with the person designated by the MPUC to coordinate field monitoring of construction activities.

4. NOTICE OF PERMIT CONDITIONS

The Permittee shall inform all employees, contractors, and other persons involved in the construction of the LWECS of the terms and conditions of this Permit.

B. MITIGATION MEASURES

1. SITE CLEARANCE

The Permittee shall disturb or clear the site only to the extent necessary to assure suitable access for construction, safe operation, and maintenance of the LWECS.

2. TOPSOIL PROTECTION

The Permittee shall implement measures to protect and segregate topsoil from subsoil in cultivated lands unless otherwise negotiated with the affected landowner.

3. COMPACTION

The Permittee shall implement measures to minimize compaction of all lands during all phases of the project's life and shall confine compaction to as small an area as practicable.

4. LIVESTOCK PROTECTION

The Permittee shall take precautions to protect livestock during all phases of the project's life.

5. FENCES

The Permittee shall promptly replace or repair all fences and gates removed or damaged during all phases of the project's life unless otherwise negotiated with the affected landowner. When the Permittee installs a gate where electric fences are present, the Permittee shall provide for continuity in the electric fence circuit.

6. DRAINAGE TILE

The Permittee shall promptly repair or replace all drainage tiles broken or damaged during all phases of the project's life unless otherwise negotiated with the affected landowner.

7. EQUIPMENT STORAGE

The Permittee shall not locate temporary equipment staging areas for site construction and restoration on cultivated land unless otherwise negotiated with the affected landowner. Temporary staging areas shall not be located in wetlands or native prairie.

8. ROADS

(a) Public Roads

Prior to commencement of construction, the Permittee shall identify all state, county or township roads that will be used for the LWECS project and shall notify the MPUC and the state, county or township governing body having jurisdiction over the roads to determine if the governmental body needs to inspect the roads prior to use of these roads. Where practical, existing roadways shall be used for all activities associated with the LWECS. Where practical, all-weather roads shall be used to deliver cement, turbines, towers, assembled nacelles and all other heavy components to and from the turbine sites.

The Permittee shall, prior to the use of such roads, make satisfactory arrangements with the appropriate state, county or township governmental body having jurisdiction over roads to be used for construction of the LWECS for maintenance and repair of roads that will be subject to extra wear and tear due to transportation of equipment and LWECS components. The Permittee shall notify the MPUC of such arrangements upon request of the MPUC.

(b) Turbine Access Roads

The Permittee shall construct the smallest number of turbine access roads it can. Access roads shall be low profile roads so that farming equipment can cross them and shall be covered with Class 5 gravel or similar material. When access roads are constructed across streams and drainage ways, the access roads shall be designed in a manner so runoff from the upper portions of the watershed can readily flow to the lower portion of the watershed.

(c) Private Roads

The Permittee shall promptly repair private roads or lanes damaged when moving equipment or when obtaining access to the site, unless otherwise negotiated with the affected landowner.

9. SOIL EROSION AND SEDIMENT CONTROL

The Permittee shall develop a Soil Erosion and Sediment Control Plan prior to construction and submit the Plan to the MPUC. This Plan may be the same plan submitted to the Minnesota Pollution Control Agency as part of a storm water runoff permit application. A goal of the Soil Erosion and Sediment Control Plan is to minimize soil erosion, to revegetate non-cropland and range areas disturbed by construction with wildlife conservation species, and wherever possible, to plant native tall grass prairie species in cooperation with landowners.

The Soil Erosion and Sediment Control Plan shall address what types of erosion control measures will be implemented during each project phase, and shall at a minimum identify plans for grading, construction and drainage of roads and turbine pads; necessary soil information; detailed design features to maintain downstream water quality; a comprehensive re-vegetation plan to maintain and ensure adequate erosion control and slope stability and to restore the site after temporary project activities; and measures to minimize the area of surface disturbance. Other practices shall include containing excavated material, protecting exposed soil, and stabilizing restored material and removal of silt fences or barriers when the area is stabilized. The plan shall identify methods for disposal or storage of excavated material. Erosion and sedimentation control measures shall be installed prior to construction and maintained throughout the project's life.

10. CLEANUP

The Permittee shall remove all waste and scrap that is the product of construction, operation, restoration and maintenance from the site and properly dispose of it upon completion of each task. Personal litter, bottles, and paper deposited by site personnel shall be removed on a daily basis.

11. TREE REMOVAL

The Permittee shall minimize the removal of trees and the Permittee shall not remove groves of trees or shelter belts without notification to the MPUC and the approval of the affected landowner.

12. RESTORATION

The Permittee shall, as soon as practical following construction of each turbine, considering the weather and preferences of the landowner, restore the area affected by any LWECS activities to the condition that existed immediately before construction began, to the extent possible. The time period may be no longer than six months after completion of construction of the turbine. Restoration shall be compatible with the safe operation, maintenance, and inspection of the LWECS.

13. HAZARDOUS WASTE

The Permittee shall be responsible for compliance with all laws applicable to the generation, storage, transportation, clean up and disposal of hazardous wastes generated during any phase of the project's life.

14. APPLICATION OF HERBICIDES

The Permittee shall restrict herbicide use to those herbicides and methods of application approved by the Minnesota Department of Agriculture and the U.S. Environmental Protection Agency. Selective foliage or basal application shall be used when practicable. The Permittee shall contact the landowner or his designee to obtain approval for the use of herbicide prior to any application on their property. The landowner may request that there be no application of herbicides on any part of the site within the landowner's property. All herbicides shall be applied in a safe and cautious manner so as to not damage crops, orchards, tree farms, or gardens. The Permittee shall also, at least ten days prior to the application, notify beekeepers with an active apiary within one mile of the proposed application site of the day the company intends to apply herbicide so that precautionary measures may be taken by the beekeeper.

15. PUBLIC SAFETY

The Permittee shall provide educational materials to landowners within the site boundaries and, upon request, to interested persons, about the project and any restrictions or dangers associated with the LWECS project. The Permittee shall also provide any necessary safety measures, such as warning signs and gates for traffic control or to restrict public access.

16. FIRE PROTECTION

The Permittee shall prepare a fire protection plan in consultation with the fire department having jurisdiction over the area prior to LWECS construction. The Permittee shall submit a copy of the plan to the MPUC upon request.

17. TOWER IDENTIFICATION

All turbine towers shall be marked with a visible identification number.

C. SETBACKS

1. WIND ACCESS BUFFER

Wind turbine towers shall not be placed less than 5 rotor diameters from the perimeter of the site where the Permittee does not hold the wind rights, without the approval of the MPUC. Wind turbine towers within the project boundaries shall not be placed less than 5 rotor diameters from the boundary of any property on which the Permittee does not hold the wind rights unless approved otherwise by the affected landowner.

2. RESIDENCES

Wind turbine towers shall not be located closer than 500 feet from the nearest occupied dwelling.

3. ROADS

Wind turbine towers shall not be located closer than 250 feet from the edge of the nearest public road right-of-way.

4. WILDLIFE MANAGEMENT AREAS

Wind turbines and associated facilities including foundations, access roads, underground cable, and transformers, shall not be located in Waterfowl Protection Areas, State Wildlife Management Areas or Scientific and Natural Areas or in county parks. These areas may be used in establishing the wind access buffer required by paragraph III.C.1.

5. WETLANDS

Wind turbines and all associated facilities, including foundations, access roads, underground cable, and transformers, shall not be placed in public waters wetlands, as defined in Minnesota Statutes section 103G.005, subp. 15a.

6. NATIVE PRAIRIE

Upon request of the MPUC, the Permittee shall, with the advice of the DNR and any others selected by the Permittee, prepare a prairie protection and management plan and submit it to the MPUC and DNR Commissioner 60 days prior to the start of project construction. The plan shall address steps to be taken to identify native prairie within the project area, measures to avoid impacts to native prairie, and measures to mitigate for impacts if unavoidable. Wind turbines and all associated facilities, including foundations, access roads, underground cable and transformers, shall not be placed in native prairie unless addressed in the prairie protection and

management plan. Unavoidable impacts to native prairie shall be mitigated by restoration or management of other native prairie areas that are in degraded condition, or by conveyance of conservation easements, or by other means agreed to by the Permittee and MPUC.

7. OTHER

Wind turbines and all associated facilities, including foundations, access roads, underground cable, and transformers shall not be located within active sand and gravel operations, unless otherwise negotiated with the owner of the sand and gravel operation.

D. PRECONSTRUCTION SURVEYS

1. BIOLOGICAL PRESERVATION SURVEY

The Permittee, in consultation with DNR and other interested parties, shall conduct a pre-construction inventory of existing wildlife management areas, scientific and natural areas, recreation areas, native prairies and forests, wetlands, and any other biologically sensitive areas within the site and assess the presence of state- or federally-listed or threatened species. The results of the survey shall be submitted to the MPUC and DNR prior to the commencement of construction.

2. ARCHAEOLOGICAL RESOURCES

Prior to commencement of any construction, the Permittee shall conduct an archaeological reconnaissance survey within the area that will be permanently or temporarily impacted during construction or operation of the LWECS. The survey results shall be provided to the State Historic Preservation Office at the Minnesota Historical Society (MHS) and the Office of the State Archaeologist (OSA) to determine whether cultural resources are present. Any unrecorded cultural resources that are found shall be evaluated for integrity and potential listing on the National Register of Historic Places. Undocumented resources that are eligible for listing on the National Register of Historic Places shall be avoided. All archaeological investigations shall meet the Minnesota Historical Society Standards and Guidelines for Archaeology and Historical Preservation. If any federal funding, permit or license is involved or required, the Permittee shall notify the MHS as soon as possible in the planning process to coordinate section 106 (36 C.F.R. 800) review.

Prior to construction, construction workers shall be trained about the need to avoid cultural properties, how to identify cultural properties, and procedures to follow if undocumented cultural properties, including gravesites, are found during construction. If any archaeological sites are found during construction, the Permittee shall immediately stop work at the site and shall mark and preserve the site and notify the MPUC and the MHS about the discovery. The MPUC and the MHS shall have three working days from the time the agency is notified to conduct an inspection of the site if either agency shall choose to do so. On the fourth day after notification, the Permittee may begin work on the site unless the MHS has directed that work shall cease. In such event, work shall not continue until the MHS determines that construction can proceed.

3. ELECTROMAGNETIC INTERFERENCE

Within 60 days after issuance of this Permit, the Permittee shall submit a plan to the MPUC for conducting an assessment of television signal reception and microwave signal patterns in the project area prior to commencement of construction of the project. The assessment shall be designed to provide data that can be used in the future to determine whether the turbines and associated facilities are the cause of disruption or interference of television reception or microwave patterns in the event residents should complain about such disruption or interference after the turbines are placed in operation. The assessment shall be completed prior to operation of the turbines. The Permittee shall be responsible for alleviating any disruption or interference of these services caused by the turbines or any associated facilities.

The Permittee shall not operate the LWECS and associated facilities so as to cause microwave, television, radio, telecommunications or navigation interference contrary to Federal Communications Commission (FCC) regulations or other law. In the event the LWECS and its associated facilities or its operations cause such interference, the Permittee shall take timely measures necessary to correct the problem.

E. SITE LAYOUT RESTRICTIONS

1. WIND TURBINE TOWERS

Structures for wind turbines shall be self-supporting tubular towers. The towers shall not be more than 262 feet (80 meters) above grade.

2. METEOROLOGICAL TOWERS

Permanent towers up to 100 feet high for meteorological equipment shall be free standing. Temporary meteorological towers, which are those that will be removed after completion of construction, and all meteorological towers over 100 feet high may be guyed if the landowner has given written permission and the guys are properly marked with safety shields.

3. NOISE

The wind turbine towers shall be placed such that the Permittee shall comply with noise standards established by the Minnesota Pollution Control Agency at all times at all appropriate locations. Turbines shall be moved or modified or removed from service if necessary to comply with this condition. The Permittee or its contractor may install and operate turbines, as close as the minimum setback required in this Permit but in all cases shall comply with PCA standards.

4. FEDERAL AVIATION ADMINISTRATION

Towers shall be marked as required by the Federal Aviation Administration (FAA). There shall be no lights on the towers other than what is required by the FAA. This restriction shall not apply to infrared heating devices used to protect the wind monitoring equipment.

5. TURBINE SPACING

The turbine towers shall be constructed within the site as shown on the map attached as Exhibit 1. The turbine towers shall be spaced no closer than rotor diameters 3 (RD) for crosswind spacing (distance between turbines) and 5RD downwind spacing (distance between strings of turbines). If required during final micro siting of the turbine towers to account for topographic conditions, up to 20 percent of the towers (6 towers) may be sited closer than the above spacing but the Permittee shall minimize the need to site the turbine towers closer.

6. FOOTPRINT MINIMIZATION

The Permittee shall design and construct the LWECS so as to minimize the amount of land that is impacted by the LWECS. Associated facilities in the vicinity of turbines such as electrical/electronic boxes, transformers and monitoring systems shall, to the greatest extent feasible, be mounted on the foundations used for turbine towers or inside the towers unless otherwise negotiated with the affected landowner.

7. ELECTRICAL CABLES

The Permittee shall place electrical lines, known as collectors, and communication cables underground when located on private property. Collectors and cables shall also be placed within or adjacent to the land necessary for turbine access roads unless otherwise negotiated with the affected landowner. This paragraph does not apply to feeder lines.

8. FEEDER LINES

The Permittee shall place overhead 34.5 kV electric lines, known as feeders, on public rights-of-way if a public right-of-way exists or the Permittee may place feeders on private property. A change in feeder line locations may be made as long as feeders remain on public rights-of-way and approval has been obtained from the governmental unit responsible for the affected right-of-way. When placing feeders on private property, the Permittee shall place the feeder in accordance with the easement negotiated with the affected landowner. Notwithstanding any of the requirements in paragraph III.D. to conduct surveys before any construction can commence, the Permittee may begin immediately upon issuance of this permit to construct the 34.5 kV feeder lines that will be required as part of this project. The Permittee shall submit the site plan and engineering drawings required under paragraph III.A.1. for the feeder lines before commencing construction. Any guy wires on the structures for feeder lines shall be marked with safety shields.

F. STUDIES

1. WAKE LOSS STUDIES

The Permittee shall provide to the MPUC with the site plan required by paragraph III.A.1., the preconstruction micro siting analysis leading to the final tower locations and an estimate of total project wake losses. The Permittee shall provide to the MPUC any operational wake loss studies conducted on this project.

2. NOISE

On request of the MPUC, the Permittee shall submit a proposal to the MPUC for the conduct of a noise study. Upon the approval of the MPUC the Permittee shall carryout the study. The study shall be designed to determine the noise levels at various distances from the turbines at various wind directions and speeds.

G. DECOMMISSIONING/RESTORATION/ABANDONMENT

1. DECOMMISSIONING PLAN

Prior to commencement of construction, the Permittee shall submit to the MPUC a Decommissioning Plan describing the manner in which the Permittee anticipates decommissioning the project in accordance with the requirements of Minn. Rules part 4401.0450, subp.13. The Permittee shall ensure that it carries out its obligations to provide for the resources necessary to fulfill its requirements to properly decommission the project at the appropriate time. The MPUC may at any time request the Permittee to file a report with the MPUC describing how the Permittee is fulfilling this obligation.

2. SITE RESTORATION

Upon expiration of this Permit, or upon earlier termination of operation of the LWECS, the Permittee shall have the obligation to dismantle and remove from the site all towers, turbine generators, transformers, overhead and underground cables, foundations, buildings and ancillary equipment to a depth of four feet. To the extent possible the Permittee shall restore and reclaim the site to its pre-project topography and topsoil quality. All access roads shall be removed unless written approval is given by the affected landowner requesting that one or more roads, or portions thereof, be retained. Any agreement for removal to a lesser depth or for no removal shall be recorded with the county and shall show the locations of all such foundations. All such agreements between the Permittee and the affected landowner shall be submitted to the MPUC prior to completion of restoration activities. The site shall be restored in accordance with the requirements of this condition within 18 months after expiration.

3. ABANDONED TURBINES

The Permittee shall advise the MPUC of any turbines that are abandoned prior to termination of operation of the LWECS. The MPUC may require the Permittee to decommission any abandoned turbine.

H. REPORTING

1. PROJECT ENERGY PRODUCTION

The Permittee shall, by July 15 of each year, report to the MPUC on the monthly energy production of the project and the average monthly wind speed collected at one permanent meteorological tower selected by the MPUC during the preceding year or partial year of operation. The report shall include copies of any project production reports filed with the Midwest Area Power Pool (MAPP), the Federal Energy Regulatory Commission (FERC), or any other public regulatory agency. The Permittee shall describe the operational status and availability of the Project and any major outages, major repairs, or turbine performance improvements occurring in the previous year.

2. WIND RESOURCE USE

Within three months after commercial operation begins, the Permittee shall provide the MPUC with viewer access to its supervisory control and data acquisition (SCADA) system to allow the MPUC convenient review of the following average hourly data for each hour of commercial operation in printed format or electronic format capable of computerized analysis as specified by the MPUC:

- (a) The power output of each turbine;
- (b) The wind speed and direction measured at all monitored heights at any temporary and permanent meteorological towers, connected to the SCADA system, owned or operated by the Permittee, in or within one mile of the project site boundary; and
- (c) Temperature and any other meteorological parameters recorded at one permanent meteorological tower selected by the MPUC.

Once the Permittee provides the initial access, the MPUC shall be responsible for maintaining the remote viewer connection. The Permittee shall not be in violation of this Permit if remote connection is lost or the SCADA system goes down. In the event the MPUC is not provided access to the SCADA system, the Permittee shall file a quarterly report (due January 15, April 15, July 15, and October 15) with the MPUC with the same data specified above. After two years of commercial operation, the MPUC may reduce or eliminate the requirements of this condition. The provisions of paragraph III.K.5. shall apply to the MPUC's review of this data.

3. EXTRAORDINARY EVENTS

Within 24 hours of an occurrence, the Permittee shall notify the MPUC of any extraordinary event. Extraordinary events include: tower collapse, turbine failure, thrown blade or hub, collector or feeder line failure, injured LWECS worker or private person, kills of threatened or endangered species, or discovery of an unexpectedly large number of dead birds of any variety on site. In the event of extraordinary avian mortality the DNR shall also be notified within 24 hours. The Permittee shall, within 30 days of the occurrence, submit a report to the MPUC describing the cause of the occurrence and the steps taken to avoid future occurrences.

4. COMPLAINTS

Prior to the start of construction, the Permittee shall submit to the MPUC the company's procedures to be used to receive and respond to complaints. The Permittee shall report to the MPUC all complaints received concerning any part of the LWECS in accordance with the procedures provided in Exhibit 2 attached to this Permit.

I. FINAL CONSTRUCTION

1. AS-BUILT PLANS AND SPECIFICATIONS

Within 60 days after completion of construction, the Permittee shall submit to the MPUC a copy of the as-built plans and specifications. The Permittee must also submit this data in a geographic information system (GIS) compatible format so that the MPUC can place it into the Land Management Information Center's geographic data clearinghouse located in the Office of Geographic and Demographic Analysis.

2. FINAL BOUNDARIES

After completion of construction, the MPUC may determine a need to adjust the final boundaries of the site required for this project. If done, this Permit may be modified, after notice and opportunity for public hearing, to represent the actual site required by the Permittee to operate the project authorized by this Permit.

3. EXPANSION OF SITE BOUNDARIES

No expansion of the site boundaries described in this Permit shall be authorized without the approval of the MPUC. The Permittee may submit to the MPUC a request for a change in the boundaries of the site for the LWECS. The MPUC will respond to the requested change in accordance with applicable statutes and rules.

J. AUTHORITY TO CONSTRUCT LWECS

1. WIND RIGHTS.

The Permittee shall advise the MPUC of the obtaining of exclusive wind rights within the boundaries of the LWECS authorized by this Permit within 30 days of receiving such wind rights. The Permittee shall submit documentation of such exclusive wind rights if requested by the MPUC.

2. OTHER PERMIT APPLICATIONS.

Nothing in this Permit shall be construed to preclude any other person from seeking a site permit to construct a large wind energy conversion system in any area within the boundaries of the project covered by this Permit if the Permittee does not hold exclusive wind rights for such areas.

3. PREEMPTION OF OTHER LAWS

Pursuant to Minn. Stat. § 116C.697, this Site Permit shall be the only site approval required for the location of this project, and this Permit shall supersede and preempt all zoning, building, and land use rules, regulations, and ordinances adopted by regional, county, local, and special purpose governments. Nothing in this Permit shall release the Permittee from any obligation imposed by law that is not superseded or preempted by law.

4. POWER PURCHASE AGREEMENT

This Permit does not authorize construction of the project until the Permittee has obtained a power purchase agreement for the electricity to be generated by the project. The Permittee has a power purchase agreement for the first phase of the project, for 10 Megawatts, and is authorized to construct the first four turbines. The Permittee shall advise the MPUC when it obtains a power purchase agreement for the electricity to be generated in Phase II of the project and shall provide such documentation as the MPUC may require regarding confirmation of the agreement. In the event the Permittee does not obtain a power purchase agreement by October 31, 2007, this Permit shall be null and void for Phase II.

K. MISCELLANEOUS

1. PERIODIC REVIEW

The MPUC shall initiate a review of this Permit and the applicable conditions at least once every five years. The purpose of the periodic review is to allow the MPUC, the Permittee, and other interested persons an opportunity to consider modifications in the conditions of the Permit. No modification may be made except in accordance with applicable statutes and rules.

2. FAILURE TO COMMENCE CONSTRUCTION

If the Permittee has not completed the pre-construction surveys required in paragraph III.D. and commenced construction of the LWECS within three years of the issuance of this Permit, the Permittee must advise the MPUC of the reason construction has not commenced. In such event, the MPUC may determine whether this Permit should be revoked. No revocation of this Permit may be undertaken except in accordance with applicable statutes and rules, including Minn. Stat. section 116C.645.

3. MODIFICATION OF CONDITIONS

After notice and opportunity for hearing, this Permit may be modified or amended for cause including but not limited to the following:

- (a) Violation of any condition in this Permit;
- (b) Endangerment of human health or the environment by operation of the facility; or
- (c) Existence of other grounds established by rule.

4. REVOCATION OR SUSPENSION OF THE PERMIT

The MPUC may take action to suspend or revoke this Permit upon the grounds that:

- (a) A false statement was knowingly made in the application or in accompanying statements or studies required of the applicant, and a true statement would have warranted a change in the MPUC's findings;
- (b) There has been a failure to comply with material conditions of this Permit, or there has been a failure to maintain health and safety standards; or
- (c) There has been a material violation of a provision of an applicable statute or rule or an order of the MPUC.

In the event the MPUC shall determine that it is appropriate to consider revocation or suspension of this Permit, the MPUC shall proceed in accordance with the requirements of Minn. Stat. section 116C.645 to determine the appropriate action. Upon a finding of any of the above, the MPUC may require the Permittee to undertake corrective measures in lieu of having the Permit suspended or revoked.

5. PROPRIETARY INFORMATION

Certain information required to be submitted to the MPUC under this Permit, including energy production and wake loss data, may constitute trade secret information or other type of proprietary information under the Data Practices Act or other law and is not to be made available by the MPUC. The Permittee must satisfy requirements of applicable law to obtain the protection afforded by the law.

6. TRANSFER OF PERMIT

The Permittee may not transfer this Permit without the approval of the MPUC. If the Permittee desires to transfer this Permit, the holder shall advise the MPUC in writing of such desire. The Permittee shall provide the MPUC with such information about the transfer as the MPUC requires to reach a decision. The MPUC may impose additional conditions on any new Permittee as part of the approval of the transfer.

7. OTHER PERMITS

The Permittee shall be responsible for acquiring any other federal, state, or local permits or authorizations that may be required to construct and operate a LWECS within the authorized site. The Permittee shall submit a copy of such permits and authorizations to the MPUC upon request.

8. SITE MANAGER

The Permittee shall designate a Site Manager who shall be the contact person for the MPUC to contact with questions about the LWECS. The Permittee shall provide the MPUC with the name, address, and phone numbers of the project site manager prior to placing any turbine into operation. This information shall be maintained current by informing the MPUC of any changes, as they become effective.

9. NOTICE TO LOCAL RESIDENTS

The Permittee shall, within ten working days of receipt of this Permit, send a copy of the Permit to the office of the auditor of each county in which the site is located and to the clerk of each city and township within the site boundaries. If applicable, the Permittee shall also, within 10 working days of issuance, send a copy of this Permit to each regional development commission, local fire district, soil and water conservation district, watershed district, and watershed management district office with jurisdiction in the county where the site is located. Within 30 days of issuance of this Permit, the Permittee shall send a copy of the Permit to each affected landowner within the site. In no case shall the affected landowner receive the site permit less than five days prior to the start of construction on their property.

10. RIGHT OF ENTRY

The Permittee shall allow representatives of the MPUC to perform the following, upon presentation of credentials:

- (a) To enter upon the facilities easement of the site property for the purpose of obtaining information, examining records, and conducting surveys or investigations.
- (b) To bring such equipment upon the facilities easement of the property as is necessary to conduct such surveys and investigations.
- (c) To sample and monitor upon the facilities easement of the property; and
- (d) To examine and copy any documents pertaining to compliance with the conditions of this Permit.

11. MORE STRINGENT RULES

The MPUC's issuance of this Site Permit does not prevent the future adoption by the MPUC of rules or orders more stringent than those now in existence and does not prevent the enforcement of these more stringent rules and orders against the Permittee.

L. EXPIRATION DATE

This Permit shall expire on December 31, 2035.

M. SPECIAL CONDITIONS

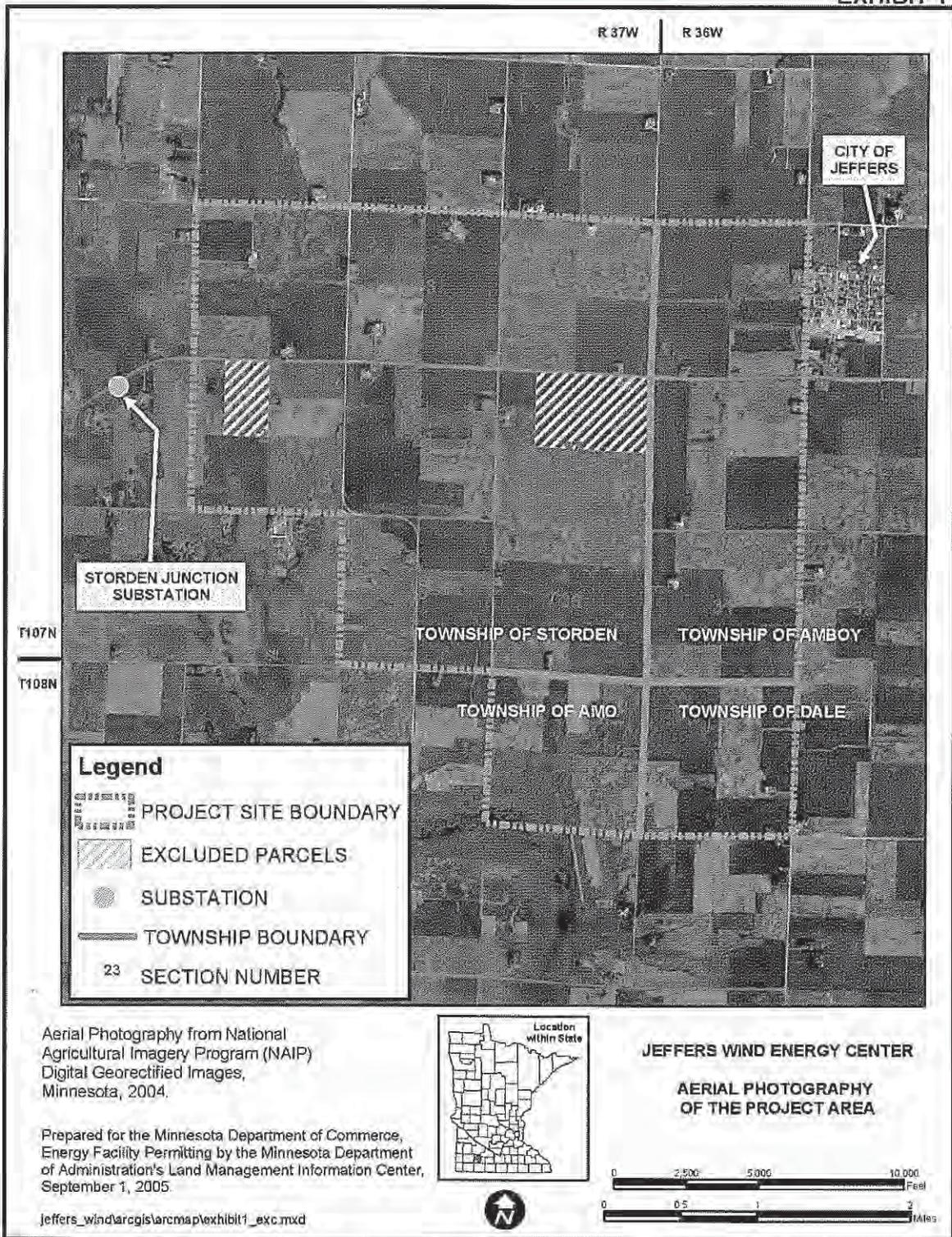
1. EFFECT

These Special Conditions shall take precedence over any of the other conditions of this Permit if there should be a conflict between the two.

2. FEDERALLY-ENDANGERED TOPEKA SHINER

To prevent sedimentation in streams inhabited by the federally-endangered (state special concern) Topeka shiner (*Notropis topeka*), the Permittee shall employ best management practices as described in Exhibit 3, when working in project area waters.

EXHIBIT 1



Legend

-  PROJECT SITE BOUNDARY
-  EXCLUDED PARCELS
-  SUBSTATION
-  TOWNSHIP BOUNDARY
-  SECTION NUMBER

Aerial Photography from National Agricultural Imagery Program (NAIP) Digital Georectified Images, Minnesota, 2004.

Prepared for the Minnesota Department of Commerce, Energy Facility Permitting by the Minnesota Department of Administration's Land Management Information Center, September 1, 2005.

jeffers_wind\arcgis\arcmap\exhibit1_exc.mxd



JEFFERS WIND ENERGY CENTER

AERIAL PHOTOGRAPHY OF THE PROJECT AREA



**MINNESOTA PUBLIC UTILITIES COMMISSION
COMPLAINT REPORT PROCEDURES FOR
LARGE WIND ENERGY CONVERSION SYSTEMS**

1. Purpose

To establish a uniform and timely method of reporting complaints received by the Permittee concerning the Permit conditions for site preparation, construction, cleanup and restoration, and resolution of such complaints.

2. Scope

This reporting plan encompasses complaint report procedures and frequency.

3. Applicability

The procedures shall be used for all complaints received by the Permittee.

4. Definitions

Complaint - A statement presented by a person expressing dissatisfaction, resentment, or discontent as a direct result of the LWECs and associated facilities. Complaints do not include requests, inquiries, questions or general comments.

Substantial Complaint - Any complaints submitted to the Permittee in writing that, if substantiated, could result in Permit modification or suspension pursuant to the applicable regulations.

Person - An individual, partnership, joint venture, private or public corporation, association, firm, public service company, cooperative, political subdivision, municipal corporation, government agency, public utility district, or any other entity, public or private, however organized.

5. Responsibilities

Everyone involved with any phase of the LWECs is responsible to ensure expeditious and equitable resolution of all complaints. It is therefore necessary to establish a uniform method for documenting and handling complaints related to this LWECs project. The following procedures will satisfy this requirement:

- A. The Permittee shall document all complaints by maintaining a record of all applicable information concerning the complaint, including the following:
1. Name of the Permittee and project.
 2. Name of complainant, address and phone number.
 3. Precise property description or tract numbers (where applicable).
 4. Nature of complaint.
 5. Response given.
 6. Name of person receiving complaint and date of receipt.
 7. Name of person reporting complaint to the MPUC and phone number.
 8. Final disposition and date.
- B. The Permittee shall assign an individual to summarize complaints for transmittal to the MPUC.

6. Requirements

The Permittee shall report all complaints to the MPUC according to the following schedule:

Immediate Reports - All substantial complaints shall be reported to the MPUC by phone the same day received or on the following working day for complaints received after working hours. Such reports are to be directed to Wind Permit Compliance at the following: 651-296-5089 or 1-800-657-3794. Voice messages are acceptable.

Monthly Reports – By the 15th of each month, a summary of all complaints, including substantial complaints received or resolved during the proceeding month, and a copy of each complaint shall be sent to Wind Permit Compliance, Minnesota Department of Commerce, 85 7th Place East, Suite 500, St. Paul, MN 55101-2198.

7. Complaints Received by the MPUC

Copies of complaints received directly by the MPUC from aggrieved persons regarding site preparation, construction, cleanup, restoration, operation and maintenance shall be promptly sent to the Permittee.

**BEST MANAGEMENT PRACTICES
FOR
TOPEKA SHINER HABITAT PROTECTION**

**Minnesota Department of Natural Resources
Division of Ecological Services**

The following Best Management Practices are generally applicable to protection of Topeka shiner habitat wherever it may be impacted by human activity. They are typical of provisions that are currently attached to public waters work permits issued by the Division of Waters for activities such as ditch clean-outs, and are featured in comment letters on road and bridge construction. Questions about the BMPs should be directed to Steve Colvin, Ecological Services (651-296-0786).

No in stream work should be conducted between ice-out and August 15, to ensure free passage of Topeka shiner adults and to protect spawning habitat. Site work above the ordinary high water line is not affected. No tracked or wheeled vehicles should be allowed in the streambed. All mechanized work should be conducted from the banks.

Only accumulated sediment should be removed from the channel. No changes in stream geometry, width or depth should occur. It is preferred that the streambed be dry before sediment removal begins. The local SWCD and/or NRCS office should be consulted regarding implementation of BMPs to minimize soil erosion in the watershed.

Erosion control measures will receive the utmost attention. Silt fences should be installed adjacent to the stream, and additional devices such as silt fences or check bales should be installed upslope. Devices should be inspected frequently, particularly following precipitation, to ensure that they are effective and in good repair. Repairs or replacements should be made promptly. Erosion control measures should remain in place until vegetation begins to recover.

Existing features such as bridge abutments, retaining walls and riprap should remain in place, to the extent practicable.

Construction should not begin if rain is forecast during the next three days. Construction should not begin until the entire project can be completed without delay.

Removal of riparian vegetation should be kept to a minimum, and should occur sequentially as needed over the length of the project. Areas of disturbed soils should be mulched and/or reseeded promptly, preferably with native grasses and forbs. The site should be inspected following spring green up, to ensure that vegetation is recovering as expected.

EXHIBIT 3

Construction, demolition and/or removal operations conducted over, or in the vicinity of, the stream, will be so controlled as to prevent materials from falling into the water. Any materials that do fall into the water or into areas below the OHWL should be retrieved promptly, by hand or by equipment working from the banks, and disposed of in a manner consistent with state and local ordinances.

Any fill materials that must be placed below the OHWL must be clean and free of fine materials, and should be locally sourced, if possible. Final grade ratios should not exceed 3:1. If installation of riprap is permitted as part of the proposed action, Class III riprap should be installed over geotextile material, such that stream banks are protected from scour. Riprap or other materials that already exist onsite should be minimally disturbed.

The applicant will meet with any hired contractors before the commencement of the project, to ensure that all permit provisions are clearly understood. If the project is modified, or if field conditions change, the proposer should contact the Area Hydrologist, Jim Sehl, at 507-831-6162, before proceeding.

**MINNESOTA PUBLIC UTILITIES COMMISSION
COMPLAINT REPORT PROCEDURES FOR
LARGE WIND ENERGY CONVERSION SYSTEMS**

1. Purpose

To establish a uniform and timely method of reporting complaints received by the Permittee concerning the Permit conditions for site preparation, construction, cleanup and restoration, and resolution of such complaints.

2. Scope

This reporting plan encompasses complaint report procedures and frequency.

3. Applicability

The procedures shall be used for all complaints received by the Permittee.

4. Definitions

Complaint - A statement presented by a person expressing dissatisfaction, resentment, or discontent as a direct result of the LWECS and associated facilities. Complaints do not include requests, inquiries, questions or general comments.

Substantial Complaint - ~~Any complaints submitted to the Permittee in writing~~ A written complaint alleging a violation of a specific permit condition that, if substantiated, could result in Permit modification or suspension pursuant to the applicable regulations.

Unresolved Complaint: A complaint which, despite the good faith efforts of the permittee and a person(s), remains to both or one of the parties unresolved or unsatisfactorily resolved.

Person - An individual, partnership, joint venture, private or public corporation, association, firm, public service company, cooperative, political subdivision, municipal corporation, government agency, public utility district, or any other entity, public or private, however organized.

5. Responsibilities

Everyone involved with any phase of the LWECS is responsible to ensure expeditious and equitable resolution of all complaints. It is therefore necessary to establish a uniform method for documenting and handling complaints related to this LWECS project. The following procedures will satisfy this requirement:

- A. The Permittee shall document all complaints by maintaining a record of all applicable information concerning the complaint, including the following:
1. Name of the Permittee and project.
 2. Name of complainant, address and phone number.
 3. Precise property description or tract numbers (where applicable).
 4. Nature of complaint.
 5. Response given.
 6. Name of person receiving complaint and date of receipt.
 7. Name of person reporting complaint to the MPUC and phone number.
 8. Final disposition and date.
- B. The Permittee shall assign an individual to summarize complaints for transmittal to the MPUC. This person's name, phone number and e-mail address shall accompany all complaint submittals.

6. Requirements

The Permittee shall report all complaints to the MPUC according to the following schedule:

Immediate Reports - All substantial complaints shall be reported to the MPUC by phone the same day received or on the following working day for complaints received after working hours. Such reports are to be directed to ~~Wind Permit Compliance, at the following: 651-296-5089 or 1-800-657-3794, or by email to:~~ DOC.energypermitcompliance@state.mn.us. Voice messages are acceptable.

Monthly Reports – By the 15th of each month, a summary of all complaints, including substantial complaints received or resolved during the preceding month, ~~and a copy of each complaint shall be sent to Wind Permit Compliance, Minnesota Department of Commerce, 85 7th Place East, Suite 500, St. Paul, MN 55101-2198.~~ shall be eFiled to Dr. Burl W. Haar, Executive Secretary, Minnesota Public Utilities Commission, using the Commission's eDockets system (see Exhibit 4).

If no complaints were received during the preceding month, the permittee shall submit (eFile) a summary indicating that no complaints were received.

7. Complaints Received by the MPUC or Department of Commerce

Copies of complaints received directly by the MPUC or Department from aggrieved persons regarding site preparation, construction, cleanup, restoration, operation and maintenance shall be promptly sent to the Permittee.

8. Commission Process for Unresolved Complaints:

Initial Screening: Commission staff shall perform an initial evaluation of unresolved complaints submitted to the Commission. Complaints raising substantial LWECS site permit issues shall be processed and resolved by the Commission. Staff shall notify Permittee and appropriate person(s) if it determines that the complaint is a substantial complaint. With respect to such complaints, each party shall submit a written summary of its position to the Commission no later than ten (10) days after receipt of the staff notification. Staff shall present briefing papers to the Commission, which shall resolve the complaint within twenty days of submission of the briefing papers.

**MINNESOTA PUBLIC UTILITIES COMMISSION
COMPLIANCE FILING PROCEDURE
FOR PERMITTED ENERGY FACILITIES**

1. **Purpose**

To establish a uniform and timely method of submitting information required by the Commission energy facility permits.

2. **Scope and Applicability**

This procedure encompasses all compliance filings required by permit.

3. **Definitions**

Compliance Filing – A sending (filing) of information to the Commission, where the information is required by a Commission site or route permit.

4. **Responsibilities**

- A) The permittee shall eFile all compliance filings with Dr. Burl Haar, Executive Secretary, Minnesota Public Utilities Commission, through the Commission's eDockets system: <https://www.edockets.state.mn.us/EFiling/home.jsp>

General instructions are provided on the website. Permittees must register on the website to eFile documents.

- B) All filings must have a cover sheet that includes:

- 1) Date
- 2) Name of submitter / permittee
- 3) Type of Permit (Site or Route)
- 4) Project Location
- 5) Project Docket Number
- 6) Permit Section Under Which the Filing is Made
- 7) Short Description of the Filing

- C) Filings that are graphic intensive (e.g., maps, plan and profile) must, in addition to being eFiled, be submitted as paper copies and on CD. Copies and CDs should be sent to: 1) Dr. Burl W. Haar, Executive Secretary, Minnesota Public Utilities Commission, 121 7th Place East, Suite 350, St. Paul, MN, 55101-2147, and 2) Department of Commerce, Energy Facility Permitting, 85 7th Place East, Suite 500, St. Paul, MN, 55101-2198. Additionally, the Commission may request a paper copy of any eFiled document.

5. **Compliance Filing Review and Processing**

Compliance filings received by the Commission shall be reviewed by Department of Commerce, Energy Facility Permitting (EFP) staff for completeness and fulfillment of the applicable permit condition(s). EFP staff shall make a recommendation to the Executive Secretary of the Commission as to whether the filings fulfill the applicable permit condition(s). The Executive Secretary may concur, or not, with the recommendation. EFP staff may recommend that a filing be brought before the Commission to determine if it fulfills the applicable permit condition(s). Alternately, permit language may specifically require that a filing be brought before the Commission to determine if it fulfills a permit condition.

A filing which, by recommendation of EFP staff and concurrence of the Executive Secretary or by specific permit language, requires Commission approval will be scheduled for review by the Commission. EFP staff shall prepare comments and recommendations for the Commission regarding the filing. The Commission shall, at a subsequent meeting, determine whether the filing in question fulfills the applicable permit condition(s).

H. REPORTING

1. PROJECT ENERGY PRODUCTION

The Permittee shall, by ~~July 15~~ February 1st ~~of~~ following each year of project operation, submit a report to the MPUC including:

- (a) The rated nameplate capacity of the permitted Project;
- (b) The total monthly energy generated by the Project in MW hours;
- (c) The monthly capacity factor of the Project;
- (d) Yearly energy production and capacity factor for the Project;
- (e) The operational status of the Project and any major outages, major repairs, or turbine performance improvements occurring in the previous year; and
- (f) Any other information reasonably requested by the Commission.

This information shall be considered public and must be submitted electronically.

~~on the monthly energy production of the project and the average monthly wind speed collected at one permanent meteorological tower selected by the MPUC during the preceding year or partial year of operation. The report shall include copies of any project production reports filed with the Midwest Area Power Pool (MAPP), the Federal Energy Regulatory Commission (FERC), or any other public regulatory agency. The Permittee shall describe the operational status and availability of the Project and any major outages, major repairs, or turbine performance improvements occurring in the previous year.~~

2. WIND RESOURCE USE

The Permittee shall, upon the request of the Commission, report to the Commission on the monthly energy production of the Project and the average monthly wind speed collected at one permanent meteorological tower selected by the Commission during the preceding year or partial year of operation. The provisions of paragraph III.K.5. shall apply to the MPUC's review of this data.

~~Within three months after commercial operation begins, the Permittee shall provide the MPUC with viewer access to its supervisory control and data acquisition (SCADA) system to allow the MPUC convenient review of the following average hourly data for each hour of commercial operation in printed format or electronic format capable of computerized analysis as specified by the MPUC:~~

- ~~(a) The power output of each turbine;~~

AMENEDDED SITE PERMIT SECTIONS III.H.1, III.H.2

~~(b) The wind speed and direction measured at all monitored heights at any temporary and permanent meteorological towers, connected to the SCADA system, owned or operated by the Permittee, in or within one mile of the project site boundary; and~~

~~(c) Temperature and any other meteorological parameters recorded at one permanent meteorological tower selected by the MPUC.~~

~~Once the Permittee provides the initial access, the MPUC shall be responsible for maintaining the remote viewer connection. The Permittee shall not be in violation of this Permit if remote connection is lost or the SCADA system goes down. In the event the MPUC is not provided access to the SCADA system, the Permittee shall file a quarterly report (due January 15, April 15, July 15, and October 15) with the MPUC with the same data specified above. After two years of commercial operation, the MPUC may reduce or eliminate the requirements of this condition~~