



# Bison I Wind Project Transmission Line Post-Construction Inspection Report PU-09-587

Prepared for:

**NORTH DAKOTA  
PUBLIC SERVICE COMMISSION**

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# 1.0 Executive Summary

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The North Dakota Public Service Commission (PSC) retained Wenck Associates, Inc. (Wenck) to complete a construction inspection of the Bison 1 Wind Project Transmission line (Project) in Morton and Oliver Counties, North Dakota (ND), owned and operated by Minnesota Power, a subsidiary of Allete, Wenck reviewed all Project documents to identify those aspects which required compliance and visually inspected the Project area on 7 November 2013.

The Project was well-maintained and appeared to have been constructed as planned with numerous efforts to minimize impacts. However, there were several issues that may need to be resolved for the Project to be considered complete and in full compliance, including 1) written verification of certain items and 2) compliance with Tree and Shrub Mitigation measures. Wenck expects follow-up actions taken by Minnesota Power to address these particular issues can be corroborated in writing or photos and will not require a subsequent site visit. Wenck recommends the PSC take the following steps to resolve these issues.

## **Recommended Action Steps**

### **→Review Internally, Clarify, Then Request if Needed**

- Verification of compliance with the National Electric Safety Code
- ND Highway Patrol Overheight/Overweight Permit
- ND Department of Transportation Risk Management Documents

### **→Expect Later, Request if Necessary**

- 2013 Tree and Shrub Survival Report
- 2014 Tree and Shrub Survival Report

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## 2.0 Background & Scope

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### 2.1 INTRODUCTION

The Bison I Transmission Line (Project) is approximately 22 miles of 230kv electrical transmission line located in Oliver and Morton Counties, North Dakota (ND) (**Figure 1**). It was constructed during the 2010 and 2011 construction season and was operational in September of 2011. The Project is owned and operated by Minnesota Power, a subsidiary of Allete, Inc. The Project is under the jurisdiction of the North Dakota Public Service Commission (PSC), which issued its Findings of Fact, Conclusions of Law, and Order in Case No. PU-09-587 on March 10, 2010, granting Certificate of Site Compatibility for a Transmission Facility Corridor No. 113 and Route Permit No. 123.

### 2.2 PURPOSE

The North Dakota Energy Conversion and Transmission Facility Act (North Dakota Century Code Chapter 49-22) authorizes the Public Service Commission to determine that the location, construction, and operation of jurisdictional energy conversion and transmission facilities will produce minimal adverse effects on the environment and the welfare of citizens of North Dakota. Post-construction inspections ensure that such projects are constructed in compliance with the siting laws (North Dakota Century Code Chapter 49-22) and rules (North Dakota Administrative Code Article 69-06) and the applicable Commission Findings of Fact, Conclusions of Law, and Order (Order). The North Dakota PSC retained Wenck Associates, Inc. (Wenck) to complete a construction inspection of the Project.

### 2.3 METHODS AND SCOPE OF INSPECTION

#### 2.3.1 Project Specifications Identified

Wenck identified a list of “Project Specifications”, which the company was obligated or responsible to follow and that can be verified either in written documentation or by an on-site inspection. These items were taken from 1) siting laws and rules, 2) Project activities or specifications proposed in the Application, 3) Project plans described in the Findings of Fact, 4) Orders, and 5) recommendations by other agencies. These Project specifications are listed in Table 2.1 within 7 categories: Siting & Location; Project Design & Engineering; Pre-Construction; Cultural Resources; Natural Resources; Construction, Reclamation & Soils; and Operation.

#### 2.3.2 Document Review

Wenck staff reviewed publicly-available Project documents in the PSC Online Case Search (ND PSC 2013) to find written verification of compliance for the Project specifications listed in Table 2.1. If written verification was filed, the findings are described in Section 3 and the source and name of the documentation is listed in Table 2.1, Column 3 (Written Verification). Shaded boxes in the table represent Project specifications that are potentially non-compliant because they have no written verification.

### 2.3.3 On-Site Inspection

Luke Toso, Wenck botanist and natural resource scientist, visited the Project site on 7 November 2013. The site was inspected visually by walking the Project area. Digital photographs (Canon Power Shot A2500 HD, 16 megapixel) were taken showing typical Project infrastructure and documenting problem areas (**Appendix A**). Geographic coordinates were recorded at observation points or potential problem areas using a handheld Global Positioning System (GPS) (Garmin GPSMAP 60CSx; <10m accuracy; NAD83 datum) (**Figure 1; Appendix B**).

If on-site inspection of a Project specification was completed, the findings are described in Section 3 and referenced in Table 2.1, Column 4 (Site Verification). Shaded boxes in the table represent Project specifications that are potentially non-compliant based on site verification.

**Table 2-1: Project Specifications with Written or Site Verification Information**

Source of Project Specification	Description of Project Specification	Written Verification*	Site Verification*
<b>SITING &amp; LOCATION</b>			
App. p. 1-1, 4-1; Findings of Fact 3; Amendment to App. p. 4-1	The Project would originate at the Bison 1 Wind Project substation and terminate at the Square Butte substation and consist of approximately 22 miles of 230kv transmission line.	N/A	Section 3.1.1
ND Admin. Code Article 69-06-08; Findings of Fact 14, 15, 16, 21; App. p. 3-1, 3-2, 3-4, 3-6	Siting Criteria analysis – exclusion, avoidance, selection, policy. Avoidance areas: historical resources, woodlands, wetlands.	Docket #7, Application; Docket #9, Revised Application	Section 3.1.2
Findings of Fact 28; App. p. 5-17; Amendment to App p. 5-15, 5-16	No occupied residences within 500ft of Project.	Docket #7, Application, Figure 3, Route Exclusion and Avoidance Areas	Section 3.1.3
<b>PROJECT DESIGN &amp; ENGINEERING</b>			
Findings of Fact 8; App. p. 4-1; Amendment to App. p. 4-1	Constructed using H-frame wood structures and single steel pole structures. Wood structures will be up to 110ft tall and steel will be up to 150ft tall.	Docket #7 Application; Docket #35,36, Approval for minor amendment to structure location and height	Section 3.2.1
Findings of Fact 7	Compliance with National Electric Safety Code.	None.	N/A
Order 20	As-built engineering design drawings submitted to PSC within 3 months post-construction.	Docket #79, Facility alignment plan and profile drawings	N/A
<b>PRE-CONSTRUCTION</b>			
ND Century Code Ch. 49-22-07.1; ND Admin. Code Article 69-06-03	Letter of intent.	Docket #1, Letter of Intent	N/A
ND Century Code Ch. 49-22-08; ND Admin. Code Article 69-06-04	Application for a certificate of site or corridor compatibility.	Docket #7, Application; Docket #9, Amendment to Application	N/A
ND Century Code Ch. 49-22-07	Certificate of site compatibility or route permit.	Docket #32, Findings of Fact, Conclusions of Law and Order	N/A

Source of Project Specification	Description of Project Specification	Written Verification*	Site Verification*
ND Century Code Ch. 49-22-04; ND Admin. Code Article 69-06-02	Ten-year plan (submit before July 1).	Case No. PU-12-440, 2012 Ten Year Plan	N/A
Order 5, 7	Conduct pre-construction conference. Provide notice of intent to start construction.	Docket #37, Notes from Pre-Construction Conference	N/A
Order 19	Inform PSC of plans to modify structures or change locations.	Docket #35, 36, Staff approval for minor amendment to structure location and height	N/A
Finding of Facts 12, Order 6	Obtain permits and approvals from other agencies and provide copies.	Docket #38, Permits; Case No. PU-09-151, Docket #142, Conditional Use Permits	N/A
<b>CULTURAL RESOURCES</b>			
App. p. 5-15; Amendment to App. p. 5-15; Order 10	Report discovery of cultural, archeological, historic, or grave sites. Construction stopped, SHPO consulted and clearance required, report to Commission filed.	No cultural resources reported during construction.	N/A
<b>NATURAL RESOURCES</b>			
Findings of Fact 7; App. p. 5-29, 5-30; USFWS (2-7-2009)	Bird safe designs used in accordance with Avian Power Line Interaction Committee recommendations. Flight diverters installed at Nelson Lake crossing. USFWS: Above-ground power lines marked; avoid construction during migratory bird breeding season (Feb 1- July 15).	None	Section 3.5.1, 3.5.4
Findings of Fact 29; App. p. 5-26, 5-30	Wetlands avoided by spanning or pole placement. No impacts to surface drainage patterns or groundwater flow patterns. Setback of 0.25 miles from WPAs. No machine clearing of vegetation within 50 feet of any river or stream. No disturbance of ground cover vegetation near rivers or streams.	N/A	Section 3.5.2
Findings of Fact 24, 25; USFWS (5-4-2009); NRCS (4-15-2009); NDGF (9-21-2009)	USFWS, NRCS, NDGF: Avoid disturbance to native prairie, wetland, threatened and endangered species.	N/A	Section 3.5.2, 3.5.3, and 3.5.4
Order 9	Report presence of T+E species, bald or golden eagles during construction and operation. A Wildlife Response Reporting System would be implemented.	Case No. PU-09-151, Docket #180, Minnesota Power 2013 Wildlife Incident Report	N/A
Order 14; App. p.5-28, 5-30 ;	Reclamation, fertilization, and reseeded done in accordance with NRCS or	None.	Section 3.5.5

Source of Project Specification	Description of Project Specification	Written Verification*	Site Verification*
USFWS (2-7-2009)	USFWS unless specified by landowner and approved by Commission.		
Order 15	Compliance with "Tree and Shrub Mitigation Specifications".	Docket #78, Tree and Shrub Mitigation Plan; PU-09-151, Docket #80 Minnesota Power 2012 Tree and Shrub Survival Report	Section 3.5.6
<b>CONSTRUCTION, RECLAMATION &amp; SOILS</b>			
Order 7, 12	Provide weekly construction reports. Construction suspended during adverse weather conditions.	Docket # 39-44, 46-49, 52-59, 61-77, 230kV Transmission Line Construction Report	N/A
App. p. 5-10, 5-12	The ND Department of Health (NDDH) requested that the Project minimize fugitive dust, degradation of waterways, manage stormwater, and noise.	None.	Section 3.5.2 and 3.6.2
Order 11, 18	Pre-existing roads restored to satisfactory condition. Temporary roads removed and restored. Repair, replace or compensate for fences and gates.	None.	Section 3.6.3
Order 13	Reclamation along right-of-way must be continuous and coordinated with construction.	None.	Section 3.6.4
<b>OPERATION</b>			
Order 16	Construct and operate in accordance with Application and safety requirements. Obligations for reclamation and maintenance of the right-of-way continue throughout the life of the transmission system.	None.	Section 3.7.1
Order 17	Mitigation of TV and radio interference that results from the Project. Work with landowners to determine and implement appropriate damage mitigation measures.	None.	Section 3.7.2

**\*Note: Shaded boxes represent non-compliance or potential non-compliance issues.**

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## 3.0 Findings

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### 3.1 SITING & LOCATION OF FACILITY

#### 3.1.1 Designated Location

The Project was built as proposed in the designated Project route and corridor described in the Application and Order (**Figure 1**). Maps of the approved corridor and observations of on-the-ground infrastructure during the inspection appeared to coincide (**Appendix A**). There were a few minor adjustments to pole locations, but these were approved by the PSC (See Section 3.3.3 for more details).

#### 3.1.2 Siting Criteria

Siting criteria were analyzed in detail in the Application for the Project (Docket #7, Application; Docket #9, Addendum to Application). Wenck confirmed during the site inspection that exclusion and avoidance areas were avoided. Historical/cultural resources and wetlands located in the project corridor were avoided to the extent possible or mitigated (Section 3.5.2). Cuts were made to woodlands, but replacement trees had been planted (See Section 3.5.6). Wenck also confirmed that impacts to selection and policy criteria were considered and kept at a minimum.

#### 3.1.3 Setbacks

The Project was located in a rural setting, with no occupied dwellings within 500ft. The Application showed that the closest occupied residence is approximately 700ft from the transmission line (Docket # 7, Application, Page 5-17). Wenck confirmed that no residences were within 500ft of the Project.

### 3.2 PROJECT DESIGN & ENGINEERING

#### 3.2.1 Structure Specifications

Wood H-Frame and steel monopole structures were observed along the transmission line route (**Appendix A**). Span lengths and structure heights appeared to match those specified in the Application and amendments.

#### 3.2.2 Codes and Specifications

There was no written verification of compliance with the National Electric Safety Code. However, the Minnesota Power representative stated that construction of the project complied with this code.

#### 3.2.3 As-built Drawings and GIS Files

As-built engineering design drawings of the facility were submitted on 21 September 2011 (Docket #79).

### 3.3 PRE-CONSTRUCTION

#### 3.3.1 PSC-Required Documents

A letter of intent was received on 4 August 2009 (Docket #1). On 28 August 2009, the PSC moved that the one year waiting period between filing the letter of intent and the Application be shortened to two

weeks (Docket #3, Letter Enclosing Commission Motion Acknowledging Letter of Intent). The Application for Certificate of Corridor Compatibility and Route Permit was submitted on 6 October 2009 (Docket #7) and amended on 14 December 2009 (Docket #9 Amendment to Application for Certificate of Corridor Compatibility & Route Permit). The PSC issued Certificate of Corridor Compatibility No. 113 and Route Permit No. 123 on 10 March 2010 (Docket #32). There was no Ten Year Plan submitted in 2011 on file with the PSC, but a 2012 Ten Year Plan was on file (PU-12-440, 2012 Ten Year Plan, Minnesota Power & Light).

### **3.3.2 Pre-Construction Conference/Notice of Intent to Start Construction**

A pre-construction meeting was held on 5 May 2010, during which the intent to start construction was announced (Docket #37, Notes from Pre-construction Conference and Notice of Construction Commencement).

### **3.3.3 PSC Approval of Modifications**

Plans to modify the facility were filed as minor amendments to structure height and location (Docket #35 and 36). Observations of on-the-ground infrastructure, the approved corridor, and the approved modifications appeared to correspond.

### **3.3.4 Permits and Approvals from Other Agencies**

Permits were on file under the Project Docket and another case number (PU-09-151, Docket #142):

- ND Highway Patrol Overheight/Overweight Permit
- ND Department of Transportation Utility Permit/Risk Management Documents
- Morton and Oliver County Conditional Use Permit, Haul Road Agreement, and Utility Permit.

During the on-site inspection, Wenck discussed potential permits with the Minnesota Power representative, who stated that all permits were obtained prior to construction. However, the PSC may want to request permits that were necessary but are not currently on file in the project docket.

## **3.4 CULTURAL RESOURCES**

### **3.4.1 Reporting**

No new discoveries of cultural, archeological, or historic sites have been reported to the PSC to date. Presumably no new sites were encountered during construction of the Project. The Minnesota Power representative verified that no new cultural resources were found during construction.

## **3.5 NATURAL RESOURCES**

### **3.5.1 Avian Protection**

In the Application, Minnesota Power stated that the transmission line would comply with recommendations of the Avian Power Line Interaction Committee. As-builts and discussions with the Minnesota Power representative confirmed that these measures were implemented. Bird diverters were installed along the eastern portion of the transmission line near Nelson Lake (**Appendix A, Photo 2**). It appeared that these diverters were installed where planned, and at additional areas not in the original Application.

The US Fish and Wildlife Service (USFWS) recommended that construction be avoided during the migratory bird nesting season (Feb 1- July 15). Plans of the day indicate that construction did occur

during this time. However, Minnesota Power stated that no impacts to migratory birds were reported in the Wildlife Incident Report System. Based on this evidence, it appears that Minnesota Power considered avian protection as a part of the Project.

### **3.5.2 Wetlands**

There were several areas along the transmission line route that crossed wetland areas (**Figure 1; Appendix A, Photos 2, 4, 5-7**). It did not appear that vegetation along most wetland margins had been disturbed; in one area, a structure was located within an intermittent drainage way (**Appendix A, Photo 6**), but Minnesota Power indicated that appropriate permits were filed and a mitigation wetland was created (**Appendix A, Photo 10**). The mitigation wetland was created to offset impacts from construction of the transmission line and construction of access roads for the Bison 1 Wind Project (PU-09-151). The mitigation wetland was created just to the east of the Bison 1 Substation. No copies of the U.S. Army Corps of Engineers permits were on file; however, no impacts were observed to surface drainage or groundwater flow patterns. It did not appear that any machine clearing or disturbance of vegetation occurred near rivers or streams. No Waterfowl Production Areas were located within the project corridor. It appeared that construction of the Project avoided impacts to wetland areas as specified in the Application.

### **3.5.3 Native Prairie**

Most of the transmission line was in cultivated lands. Some of the transmission line did cross native prairie currently used for grazing. Wenck observed that disturbance in these areas was kept to a minimum and revegetation appeared satisfactory (**Appendix A**).

### **3.5.4 Reporting**

Minnesota Power utilizes a Wildlife Incident Report System to monitor, report, and document any wildlife fatalities observed. These reports are documented on a monthly basis, and a yearly report summarizes these findings and was on file with the PSC under a different case number (PU-09-151, Docket #180 Minnesota Power 2013 Wildlife Incident Report). There were no reports filed to date of the presence of threatened or endangered species or bald or golden eagles during construction or operation.

### **3.5.5 Reclamation & Reseeding**

Construction activities appeared to have had minimal disturbance; only minor reclamation would have been necessary around structure bases. It was not clear if reseeded had occurred following construction because most of the poles were in agricultural land. However, in non-agricultural areas, it appeared that vegetation surrounding poles matched that of the surrounding area (**Appendix A, Photos 5-8**).

### **3.5.6 Tree & Shrub Mitigation**

A mitigation plan was approved for the Project (Docket #78, Tree and Shrub Mitigation Plan). A 2012 Survival Monitoring Report (Docket #86) was submitted on 10 September 2012 for both plantings. The report indicated that trees/tall shrubs had adequate survival, but low shrubs had only 30% survival. These shrubs were replaced in 2012 to meet the survival requirements. So far, Minnesota Power has adequate survival, with an average survival across plantings of 167%. Wenck observed the plantings and they appeared in good condition (**Appendix A, Photos 9, 10**). A Tree and Shrub Survival Report for the year 2013 has not been submitted to date. Two more years of survival monitoring will be required for the mitigation to be considered complete.

## **3.6 CONSTRUCTION, RECLAMATION & SOILS**

### **3.6.1 Construction Management & Safety**

Daily construction reports were submitted to the PSC by an Allete construction manager (Docket #39-44, 46-49, 52-59, 61-77). Construction was suspended during adverse weather, and precautions were taken on days after it did rain in order to maintain a safe working environment.

### **3.6.2 Erosion & Sedimentation**

The ND Department of Health (NDDH) requested that Best Management Practices (BMPs) be used to manage stormwater, degradation of waterways, and minimize fugitive dust and noise. BMPs were used as part of the construction and maintenance of the Project to minimize erosion and control sediment, as evident from weekly construction reports. Culverts were installed where necessary to allow for the natural flow of drainage. No erosion problems were noted and infrastructure of the Project area was well-maintained. Fugitive dust and noise were presumably controlled during construction activities.

### **3.6.3 Roads and Repairs**

Preexisting roads appeared to have been restored and appeared in good condition (**Appendix A**). There was no evidence of temporary roads used during construction, so presumably none were needed or they had been restored. Fences and gates removed during construction had been replaced or repaired.

### **3.6.4 Reclamation**

The Project area appeared during the inspection to have been successfully restored to previous conditions. Weekly construction reports indicate that restoration occurred concurrently with construction.

## **3.7 OPERATION**

### **3.7.1 Safe Operation and Maintenance**

Wenck observed that Minnesota Power has in place an on-going maintenance schedule. Wenck did not observe any areas of exposed soil remaining from construction activity or the on-going operation of the Project that were in need of reclamation. There was no waste, debris, or abandoned equipment observed during the inspection. The site appeared to be regularly maintained.

### **3.7.2 Public Relations**

No complaints of increased TV or radio interference were reported to the PSC to date. The Minnesota Power representative stated that no TV or radio interference has been reported to date.

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## 4.0 Issues to Resolve and Recommendations

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### 4.1 PROJECT SPECIFICATIONS NEEDING WRITTEN VERIFICATION

Several components of the Project were asserted in the Application or proposed construction and have the potential to be verified in writing; Table 2-1 summarizes these items. Items in Table 2-1 that are shaded in the “Written Verification” column indicate no written verification was filed with the PSC where applicable and necessary. Some of these items may be necessary to consider the Project in full compliance. The PSC may want to request from Minnesota Power the following “Potential Item(s)”:

#### Potential Items

- Verification of compliance with the National Electric Safety Code.
- Copies of Permits that are not currently on file with the PSC. These include:
  - ND Highway Patrol Overheight/Overweight Permit
  - ND Department of Transportation Risk Management Documents

### 4.2 TREE AND SHRUB MITIGATION

The mitigation of trees and shrubs removed during construction of the Project had been planted in the spring of 2011 at a 3:1 ratio (2:1 was required). Wenck verified that the replacement plantings were installed; and the latest report indicates that the average survival across plantings stands at 153%. However, survival monitoring is required for three years after the anniversary of the planting to confirm that survival is over 75%, until spring of 2014. Wenck recommends that the PSC proceed with its requirement for the full three years of survival monitoring to ensure 75% survival of the replacement planting.

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## 5.0 Conclusions

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Overall, the Project appeared to have been constructed as designed with minimal impacts to the surrounding natural or human environment. The Project site was well-maintained and in good condition. However, Wenck noted several minor issues that may need to be resolved before the Project is considered complete and in full compliance. These included: 1) written documentation of compliance with the National Electric Safety Code and submission of permits that are not currently on file; 2) continued monitoring of tree and shrub survival. These issues could be necessary for Project compliance, but the PSC should determine which are required for the company to comply with and then notify the company what actions are required on their part.

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## 6.0 References

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North Dakota Public Service Commission (ND PSC). 2013. Online Case Search. Available from:  
[http://www.psc.nd.gov/database/company\\_case\\_list.php](http://www.psc.nd.gov/database/company_case_list.php). Accessed January 2014.

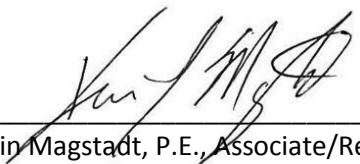
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## 7.0 Signatures


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The services performed by Wenck scientists for this project have been conducted in a manner consistent with the degree of care and technical skill appropriately exercised by professionals currently practicing in this area under similar time and budget constraints. Recommendations and findings contained in this report represent our professional judgment and are based upon available information and technically accepted practices at the present time and location. Other than this, no warranty is implied or expressed.

Project Manager, Kevin Magstadt, Lucas Nelson, Junior Engineer, and Luke Toso, Botanist/Natural Resources Specialist, prepared this report.

  
\_\_\_\_\_  
Kevin Magstadt, P.E., Associate/Regional Manager

\_\_\_\_\_  
1/9/2013  
Date

  
\_\_\_\_\_  
Lucas Nelson, Junior Engineer

\_\_\_\_\_  
1/9/2013  
Date

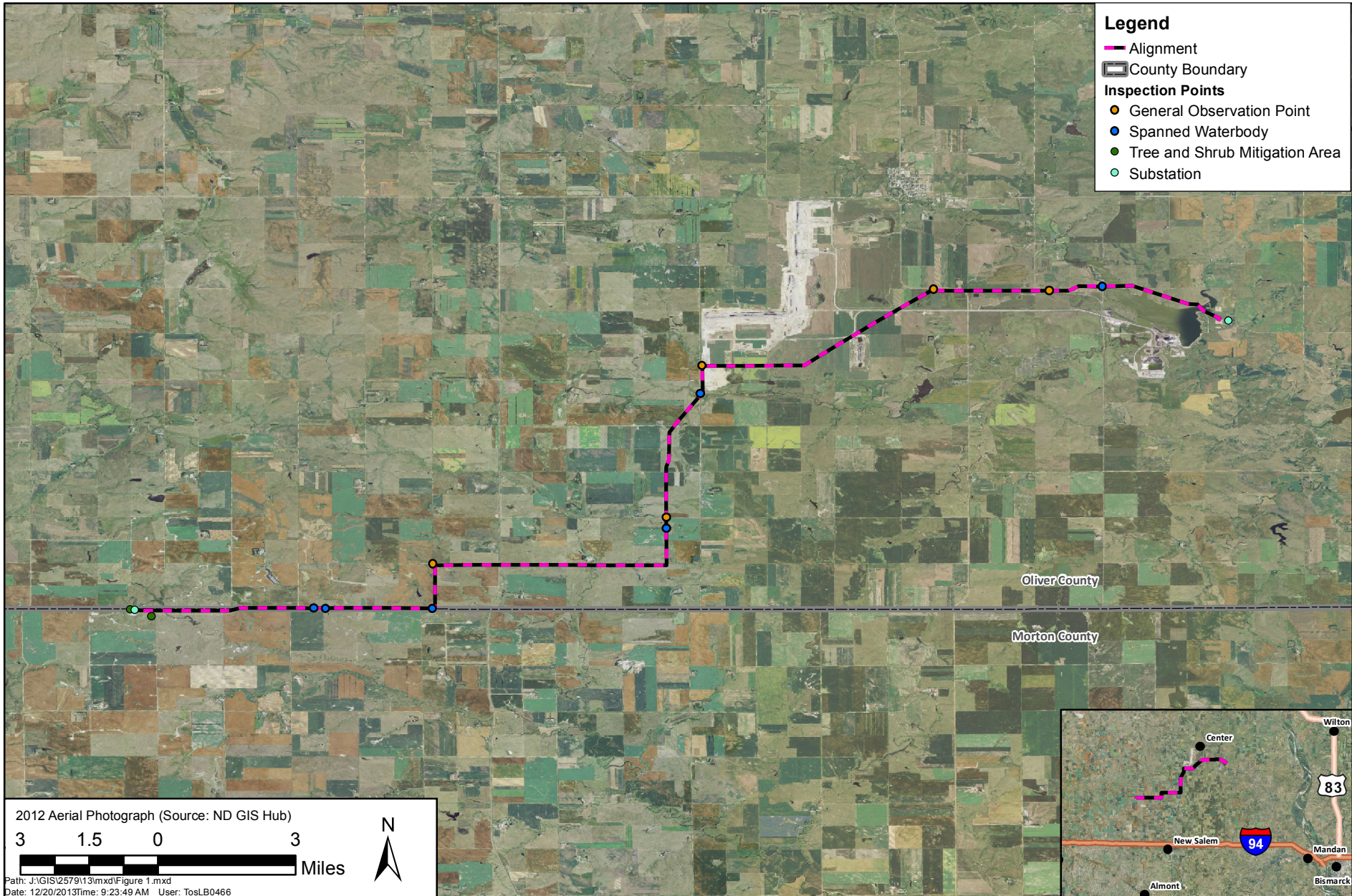
  
\_\_\_\_\_  
Luke Toso, Botanist/Natural Resource Scientist

\_\_\_\_\_  
1/9/2013  
Date

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## Figures

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NORTH DAKOTA PUBLIC SERVICE COMMISSION

PU-09-587 Bison I Transmission Line

  
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DEC 2013

Figure 1

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## **Appendix A**

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### **Photographs**



**Photo 1.** Direction: North/Northwest. View of the transmission line (monopole structures) on the east end of the route at the Square Butte substation.



**Photo 2.** Direction: Northeast. View of the transmission line as it crossed Lake Nelson. Bird diverters were installed on the transmission line around the lake.



**Photo 3.** Direction: Southwest. View as the transmission line veered from a generally east/west route to a southwest/northeast route near the existing BNI Center Mine.



**Photo 4.** Direction: East. View of the transmission line as it spanned a wetland area west of the Center Mine. The transmission poles were in upland areas and no construction-related disturbance to the wetland was noted.



**Photo 5.** Direction: Southwest. View of a wetland spanned by the transmission line. No construction-related disturbance was noted in this area.



**Photo 6.** Direction: East. View of a transmission structure within a wetland. Disturbance to the wetland was minimized to the extent possible. Wetland vegetation had reestablished and no residual sedimentation from construction was observed. A mitigation wetland was created to mitigate wetland impacts (Photo 10).



**Photo 7.** Direction: Northeast. View of a wetland crossing along the transmission line route. It appeared the transmission line poles were in upland, with no apparent impacts to the wetland area.



**Photo 8.** Direction: South/Southwest. View of the transmission line at the Bison Substation on the west end of the route.



**Photo 9.** Direction: South. View of a tree and shrub mitigation area west of the Bison Substation.



**Photo 10.** Direction: East. View of the wetland mitigation area. Additional tree and shrubs were planted around the wetland.

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## **Appendix B**

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### **Field Observation Points**

## Appendix B: Field Observation Points (GPS Coordinates)

Description	Latitude*	Longitude*
Substation	47.072136	-101.195984
Spanned Waterbody	47.083017	-101.235730
General Observation Point	47.081668	-101.252577
General Observation Point	47.082112	-101.288983
General Observation Point	47.057842	-101.362187
Spanned Waterbody	47.049148	-101.362708
General Observation Point	47.009929	-101.373387
Spanned Waterbody	47.006531	-101.373459
General Observation Point	46.995448	-101.447120
Spanned Waterbody	46.981171	-101.447215
Spanned Waterbody	46.981147	-101.480956
Spanned Waterbody	46.981314	-101.484715
Tree and Shrub Mitigation Area	46.980957	-101.542679
Tree and Shrub Mitigation Area	46.978756	-101.536016
Substation	46.980779	-101.541192

\*Coordinate System: NAD 1983

