

Merricourt Wind Farm Monthly Meeting March – 2020 Summary

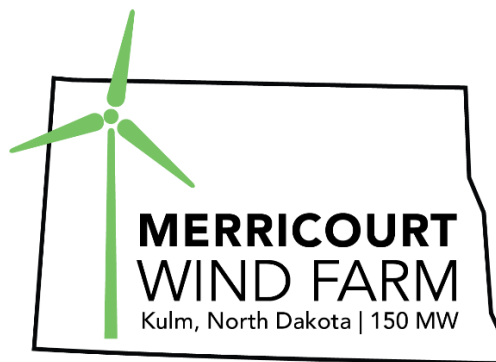


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NOTES

1. EXECUTIVE SUMMARY

Summary:

- During the month of March Wanzek performed O&M building Interior tasks. The stud walls, mechanical, plumbing work was performed, some interior finishes, mudding and taping started & permanent power to the building was finished during March.
- Snow removal where needed was also performed.
- Foundation and Civil equipment staged on site in preparation for spring.
- Crane Offload – the Demag 2800 & 3800 boom sections & counterweights were offloaded on site. The car body and house went to Fargo for maintenance and inspection.

Contractual Milestones:

- Contractor Mobilization 2019
 - Planned: 7/29/2019
 - Actual: 8/8/2019
- Substantial Completion Foundations
 - Planned: 6/15/2020
 - Actual: TBD
- Substantial Completion O&M Building
 - Planned: 5/5/2020
 - Actual: TBD
- Contractor Mobilization 2020
 - Planned: 5/18/2020
 - Actual: TBD
- Guaranteed Mechanical Completion
 - Planned: 9/30/2020
 - Actual: TBD
- Guaranteed Circuit Completion
 - Planned: 10/3/2020
 - Actual: TBD
- Guaranteed Substantial Completion
 - Planned: 10/19/2020
 - Actual: TBD
- Final Completion
 - Planned: 11/13/2020
 - Actual: TBD

Schedule Review & Questions:

- O&M Schedule Review:

NOTES

- Exterior enclosure has been completed.
- March Scheduled O&M Tasks:
 - Permanent power to building
 - Plumbing Installation
 - Electrical Installation
 - Mudding and Taping
 - Ceiling grid layout completed

2. SITE SAFETY & ENVIRONMENTAL

This project has worked **182** days without a recordable incident, **182** days without a lost time incident, **44** days without a first aid incident and **44** days without an equipment or property damage.

- Beginning to enter a freeze/thaw daily cycle again, extra emphasis being drawn to O&M contractor to maintain their parking areas/designated walkways around the building.
- Site snow removal activities ongoing on string roads in preparation for foundation/offload.
- Site initiative schedule being developed to cover our relevant lessons learned based on our working schedule.
- Begun executing daily COVID-19 screenings with all on site EE's. Wanzek will set up a morning "assembly line" screening & daily prep process in order to appropriately minimize presence in yard/trailer area and expedite morning checks.

Wanzek Site Safety Statistics to 03/31/2020		
Statistics	March	Project to Date Total
Lost Time Accidents Cases	0	0
Lost work days	0	0
Recordable cases	0	0
First-Aid cases	0	3
Equipment / Property Incident	0	4
Supervisor Safety Check	8	206
Safety Professional Checks	2	97
Site Orientations	14	162
Good Catches	0	10

NOTES

RECORDABLES

- None to report.

FIRST AIDS

- None to report.

EQUIPMENT/PROPERTY INCIDENTS

- None to report.

NEAR MISSES

- None to report.

GOOD CATCHES / Wooden Nickels

- None to report.

SWPPP/SPCC/ENVIRONMENTAL

- SWPPP NOI renewed in the month of March.
- SWPPP BMPs are on hold through the winter months per the SWPPP manual while site conditions remain froze.
- Cultural site fencing on hold currently.

3. MARCH STAFFING LEVELS

- EDF: 2
- OTP: 1
- Wanzek Management: 4
- Wanzek Craft: 2
- Strata: 0
- Westwood: 0
- Element: 0
- TRC: 0
- Cash: 0
- Olsen: 0
- Peterson: 0
- RLH: 0
- Titan: 14

4. MAJOR EQUIPMENT ON SITE

- Snow Removal Equipment
- Civil Equipment
- Foundation Cranes
- Batch Plant
- Construction Offices

5. QUALITY CONTROL

- Benchmarks Completed in March:
 - No Activities Requiring Benchmarks Occurred.
- Civil Access Roads Summary

NOTES

- No road installation during March, snow removal of large drifts took place.
- WTG Foundations:
 - All foundation 56 day breaks complete for the finished 50 wtg foundations.
 - 41 foundation books have been audited and are ready for turnover.
- O&M Building
 - Interior inspections occurring

6. RFI'S

- See attached RFI Log

7. SUBMITTALS

- See attached Submittal Log

8. NON-CONFORMANCE REPORTS

- None to report.

9. PERMITTING STATUS & COMPLIANCE

- PSC ND
 - Case No. PU-19-144
- Dickey County, ND
 - Approach Permits have been approved.
 - Utility Permits have been approved.
 - Notification of Public Road Improvements have been given.
- McIntosh County, ND
 - Approach Permits – Not Required.
 - Utility Permits sent to County and approved.
 - Notification of Public Road Improvements has been given.
- HWY 56 & 88th ST SE State Permit
 - Reviewed and Approved. Permit is located on Teams.
- HWY 56 & HWY 11 State Permit
 - Reviewed and Approved. Permit is located on Teams.
- HWY 11 & 65th Ave SE State Permit
 - Reviewed and Approved. Permit is located on Teams.
- SWPPP NOI
 - Signed by appropriate parties and returned to the State of North Dakota.

10. LANDOWNER & LOCAL COMMUNITY ISSUES

NOTES

- Working on COVID 19 plan to community.
- Mark Hildebrand Laydown Yard Communication took place.

11. CRITICAL ISSUES

- None to report.

12. ADDITIONAL DISCUSSION ITEMS

- Open Form.
- Future Monthly Meetings.

13. PROJECT PHOTOS

Main Crane Offload



O&M Building – Drinking Fountain Rough In



Laydown Yard

NOTES



O&M Building – Mudding/Taping



NOTES

Blank area for notes.



MERRICOURT SUBSTATION

EPCS/ECI MONTHLY PROJECT STATUS REPORT

DATE April 9, 2020

1. SAFETY

- a. Safety orientation are given to all persons working on site.
- b. Daily safety tailboard meetings are being held daily at show up (Substation).
 - i. Keep eye contact with the operator if approaching equipment.
 - ii. Keep non-construction personal off the site unless accompanied with a qualified person.
 - iii. Barricade any open excavations.
 - iv. Covid-19 Documents are being reviewed and signed.
- c. There have been no recordable incidents this month.

Project Name: <u>Merricourt Substation Project</u>	
Location: McIntosh County, ND	
Major "EPC" Contractors: Renew	
Turbine Supplier: NA	
EPCS Monthly Man Hours	
March Hours	TOTALS:
Number of Monthly MAN HOURS (break-down needed):	206.5
EPCS	70.5
Renew	136.0
Dakota Fence	0.0
FirstMark	0.0
EPCS Testing	0.0
Terracon Testing	0.0
	0.0
	0.0
<i>° EDF Site Rep. TEAM (if applicable)</i>	
EPCS Project RIR to date:	0
EPCS Project DART to date:	0
EPCS Project SR to date:	0
EPCS Project FR to date:	0
Fatalities:	0
EPCS First Aid Only:	0
EPCS Near Miss/Good Catch:	0
EPCS Property Damage:	0
Recordable w/NO LOST DAYS:	0
Recordable w/LOST DAYS:	0
Number of DAYS LOST:	0
Number of hours worked (MONTH):	206.5
Number of hours worked (Previous Months):	6044.0
Total Hours Worked on the Project:	6250.5

2. MERRICOURT SUBSTATION ENGINEERING

- a. Substation Design Drawings:
 - i. Physical design
 - 1. DVAR updates were issued for review on April 2, 2020.
 - ii. Electrical design
 - 1. DVAR update is tracking to be ready to issue for review within the next week.

3. MERRICOURT SUBSTATION SCADA:

- a. SCADA design is progressing well. Conversations and meetings between ECI, EDF & OTP have been positive & productive.

4. MERRICOURT SUBSTATION STUDIES:

- a. Insulation Coordination
 - i. Report was stamped and issued for record on February 28, 2020.
- b. Reactive Power Study
 - i. Report was stamped and issued for record on December 2, 2019.
- c. Short Circuit Analysis
 - i. Report was stamped and issued for record on March 24, 2020.
- d. Substation Ground Grid Analysis
 - i. Study was stamped and issued for record on November 26, 2019.
- e. Harmonic
 - i. Initial report was issued for review on March 26, 2020.
- f. Lightning & Switching Overvoltage
 - i. Not applicable for this project due to short line length.
- g. Transient Overvoltage
 - i. In progress. Hope to have this issued in the next couple weeks.
- h. Transient Analysis
 - i. In progress. Hope to have this issued in the next couple weeks.
- i. Relay Settings
 - i. Updated relay settings were issued for EDF & OTP review on March 29, 2020.
- j. Arc Flash
 - i. Initial arc flash was issued for EDF & OTP review on March 31, 2020

5. MERRICOURT SUBSTATION MATERIALS

- a. Material Status:
 - i. Major equipment are on track for delivery.
 - ii. Cap Banks have been delivered, reactors are scheduled for delivery toward the end of April and the DVAR is scheduled for Mid-May delivery.
 - iii. Misc. materials are on order and scheduled to arrive as needed for the project.

6. MERRICOURT SUBSTATION CONSTRUCTION

- a. Contractor Staffing:
 - i. EPC Services Company: 1
 - ii. Site work : 0
 - iii. Foundations: 0
 - iv. Electrical: 3-4
 - v. Total: 5
- b. Construction Activities:
 - i. Work started back up with the panels being delivered & installed, batteries installed, and cabling in the control enclosure started.
 - ii. Work out in the yard will start up soon with finishing installing the equipment on site and remaining steel, followed by below grade work.
 - iii. The transformer installation was done by others.
- c. Progress to Date:

i. Site Work	95%
ii. Foundations	100%
iii. Fence	90%
iv. Below Grade work	50%
v. Steel Structures	50%
vi. Electrical Equipment	40%
vii. Control Building	95%
viii. Control Panels	90%
ix. Bus Work	0%
x. Control Cable and Terms	0%
xi. Finish Rock	0%
xii. Testing	0%

7. LANDOWNER & LOCAL COMMUNITY ISSUES & LOCAL SPEND:

- a. Contractors
 - i. Approximately \$26,610
- b. Materials
 - i. Approximately \$78,800
- c. Living Expense
 - i. Motels - Approximately \$16,660
 - ii. Meals - Approximately \$5,450
 - iii. Gas - Approximately \$12,695
- d. **Total Spending \$140,215**

8. MERRICOURT SUBSTATION RECENT PROJECT PHOTOS:

