

## Fahn, Patrick J.

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**From:** Luke B. Toso <ltoso@wenck.com>  
**Sent:** Wednesday, April 04, 2012 11:35 AM  
**To:** Fahn, Patrick J.  
**Cc:** Kevin J. Magstadt  
**Subject:** PU 10-164 Field Notes  
**Attachments:** 4\_3\_12 Inspection Field Notes.pdf

Mr. Fahn,

Field inspection of the Montana-Dakota Utilities Co. 30 mile 230 kV Transmission line in Dickey and McIntosh Counties (PU 10-164) was completed on April 3<sup>rd</sup>, 2012; no outstanding noncompliance issues were noted during the site inspection. Pursuant to contract stipulations, attached are field notes from the site inspection. A full Construction Inspection Report shall be furnished to the PSC within 30 days of inspection on or before May 3<sup>rd</sup>, 2012.

If there is any further assistance I can offer, please let me know.

Thank you for the opportunity to work with you,

### Luke

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MDU 30-mile transmission inspection

- #ing to PSC East to West, renumbered West to East, not submitted to PSC  
Inspection start @ 10:50

- First laydown in Ellendale near grain elevator in working gravel lot. Poles, wires and other equipment in good order. Owned by hedgesrites, hedgesrites, rented until end of April.

→ 101 waypoint, laydown near Websters. Not used. In good order, no erosion. Agreement w/ Websters for use. Too muddy to access easily section

Photos: 267 Facing ~~W~~ } Laydown.  
268 NE  
269 NE

270 SW } Approach  
271 SE }

→ 102 waypoint @ Ellendale substation. New upgrade in N Hwy. No outstanding problems. One dead crow under new line

272 N~~E~~ - looking @ new portion.

273 NW - New line

274 ~~NE~~ - Substation from corner

275 W - New line traveling west

- Warning signs are posted at substation.

- Out of ellendale, parallels ND Hwy 11, thru cultivated fields

- Bought new easements from landowners even though didn't need to

→ 103 waypoint @ wetland xing. Poles not in water but on small island. Minimized disturbance by use of tracked vehicle. Needed final rest.

276 W/SW

277 E back towards ellendale

278 W/NW

279 NW

4/3 MDU inspection report

→ 104 - @ Pheasant lake ring, No erosion problems going into the lake. Slight jog in line to avoid Runways leadlines.

280 W Pheasant lake ring

281 E slight jog in line

282 W

• seq was good to cross the lake

sprayed roads to prevent dust. Use sprayed near residences

→ 105 - Linemen fixing fences @ structure 190

283 W

→ 106 - Wetland crossing, nice tree avoided. Nearby, where Hwy 11 turns N

284 SW - wetland ring

284 NW

286 W - Fill material

- structure 182

- Shale in from underlying material, will be cleared, spread, or hauled away.

→ 107 - Near structure 170

287 SW

288 W

108 - Low area avoided, storm structure

289 E - low area avoided

290 W - Low area behind

109 - Line veers NW in distance where topography/elevation ↑

291 - W

292 - NW line in background

293 NW

110 - Line turns NW toward ridge

294 - N HURRIES

295 E

296, 297 - NW (2)

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Ridge decreased by wind projects

→ 111 WPA Xing.

298 SW Cross of wetland,

299 E Distant horizon is ridge from previous picture

→ 112 300 SW span of wetland

→ 113 301 ~~SE~~ WPA, line skirts WPA w/o too much interference

→ 114 302 SE Outside of WPA, wetland Xing

303 S Line change to the N towards Hwy 11

• 304 NW Line directs to W following Hwy 11

WPA - No poles in water, use with a good buffer from standing H<sub>2</sub>O.

No longer double circuited after point 114.

115 305 N

306 SE

307 E

• On a ridge w/ good visibility of line

116 - laydown area 2. Broken, over released land from line for use. Use thru October for other maint. work

308 W

117 Water Xing and line turns to West

309 - S

310 W - existing line parallel

311 S

312 NW existing line in plastic

118

313 NW Crossing @ for side. S

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119 Line King road 1 mile from sub.

314 SUE

315 S

316 SW

120 MERRICOURT Substation. SW corner

317 NE 322 - Culvert

11 318 NNE

121 MERRICOURT, SE corner

319 E Poles going up to connect to sub

320 same shot as 319

321 NW

Flight diverters installed in May. Will be installed on W  $\frac{1}{3}$ , E  $\frac{1}{3}$ , and on a compensatory line nearby the western section. Sections w/ Flight diverters correspond to areas nearby wetlands.