

October 2, 2013

Jerry Lein
Public Utility Analyst
North Dakota Public Service Commission
600 East Boulevard Avenue, Dept. 408
Bismarck, ND 58505-0480



Dear Mr. Lein:

Carlson McCain, Inc. (CMI) conducted an onsite inspection of the Basin Electric Power Cooperative (BEPC) Pioneer Generation Station Phase II (Case No. PU-12-509) project site on September 26, 2013. CMI Inspector Ryan Krapp met with the BEPC and the general contractor, The Industrial Company, Inc. (TIC) personnel at the site field office to review construction progress and practices. Those in attendance were Craig Mullenburg, BEPC Construction Coordinator, and Kyle Koch, TIC Environmental, Health and Safety Representative.

Construction progress outlined in weekly reports submitted since surface clearing was initiated on June 5, 2013, was reviewed. It was discussed that construction is about one to two weeks behind schedule, but no concerns were noted. Mr. Koch presented the SWPPP biweekly reports for review. All biweekly report dates were found and were in order. Notes on occasional repairs to erosion control devices (ECDs) were found therein along with notes of two very minor petroleum spills (<0.5 gallons), and proper cleanup and disposal methods were included. No other major issues/concerns were noted.

Field Review

The temporary construction workspace (Site) south of the fenced Pioneer Generation Station occurs within a cultivated agricultural field in which the topsoil was removed and surfaced with gravel. The site is being used for multiple field office buildings, a fabrication shop and a storage site for construction materials. This Site is fenced and ECDs (silt fencing) are placed in appropriate drainage areas around the Site. Areas not graveled had a cover crop (spring wheat) established, aiding in reducing soil erosion.

Weather conditions at the time of the field visit were partly cloudy, 60 degrees, with light wind. Light rainfall (<0.1 inches) had occurred overnight, but the site was relatively dry. Mr. Koch took Mr. Krapp around the site to evaluate the fenced perimeter and activities contained within.

A few small areas of silt fence along the ROW were in need of minor maintenance, as eroded soils are working to compromise the integrity of the fence. However, the fence has functioned properly to contain soils from leaving the site. TIC committed to making these repairs immediately.

Construction Inspection Summary
BEPC Pioneer Generation Station Phase II - Williams County
Case No. PU-12-509

A shallow surface drainage pattern had recently formed on the far west side of the graveled area, and a small amount of gravel/sand had washed outside the fenced area (Figure 3). It was recommended by the inspector, Mr. Krapp, to establish a silt fence above this area and clean up the escaped materials. TIC committed to completing this action immediately. Additionally, due to recent construction equipment activity on the spoil piles, an approximate 10-foot-wide section of the silt fencing had been run over. TIC ensured this section would be repaired immediately.

There were two concrete washout basins within the fenced temporary work area (Figure 5). Each shallow, clay basin was lined with impervious polyethylene (plastic) sheeting, and containment berms were established around the perimeters. Mr. Koch indicated that the contents of one of the basins had been recently broken up, removed and recycled.

Overall the current construction practices and procedures being implemented in the field by the BEPC and TIC are in compliance with the PSC Provisions for Transmission Facility Siting. ECDs are in place and functioning around the site, and all minor petroleum spills have been reported and cleaned up properly.

Discussions with BEPC and TIC personnel after the inspection included:

- 1) Continue to ensure ECDs are being inspected, reported and maintained as needed (at a minimum biweekly or immediately after >0.5 inches of rainfall)
- 2) Notify the North Dakota Public Service Commission and the inspector of construction completion and reclamation timing (expected to occur this fall/winter)

Please contact me at 701-595-7003 if you have any questions or comments.

Respectfully submitted,



Ryan J. Krapp
Natural Resource Specialist

cc: Mr. Craig Mullenburg, Construction Coordinator, Basin Electric Power Cooperative

Attachments: Photos and notes

Construction Inspection Summary
BEPC Pioneer Generation Station Phase II - Williams County
Case No. PU-12-509



Figure 1. Photo taken looking northwest from the east side of the fenced area of the Pioneer Generation Station. Silt fencing was installed and working effectively.



Figure 2. Photo of silt fence and cover crop south of Site. Silt fence in need of minor maintenance but was still working effectively. TIC committed to repairing it immediately.



Figure 3. Photo of south side of the temporary construction work site storage area. Surface runoff has washed sand/gravel from under pallets to outside of fenced area. Recommendation was to install silt fence and remove gravel.



Figure 4. Recent activity on the soil storage piles and recent rain showers has filled the backside of the ECD. The silt fence effectively contained the soil subsidence. TIC committed to maintenance immediately.



Figure 5. Onsite concrete washout areas. Located in the middle of the construction site, pits lined with plastic, soil berms and safety fence.



Figure 6. Straw wattles, rip-rap, erosion blankets and silt fencing used to stabilize soils in and around culvert drainage leading into highway ROW ditch.



FIELD INSPECTION LOG

DAILY LOG

DATE 9 26 13

SHEET 1 OF 2

PROJECT NAME: BEPC - Pioneer Gen Station Phase II

CASE NO. PU-12-509

FIELD ACTIVITY SUBJECT: Audit #1

NOTES:

- Meet on-site w/ Mr. Craig Mulhamburg - BEPC
- Mr. Kyle Koch - TIC (Gen Cont.)
- Reviewed SWPPP bi-weekly reports
- All in order, no major instances
- BMP "o ECP" maintained weekly or 70.5 in rain
- Spills very minor - diesel or hydraulic < 0.5 gals
- all reported + cleaned properly disposed of

- Inspection - Temp. Const site south of station -
- NE corner of faced site - silt fencing ✓ w/ cover crop ✓ ★
 - E edge downslope of temp. work area silt fence established ★
 - one small area in need of repair - TIC committed to fixing immediately
 - gravel wash off pad into field - place silt fence ★

Cont. →

LATITUDE, LONGITUDE

CHANGES FROM PLANS AND SPECIFICATIONS

WEATHER CONDITIONS

55°, cloudy, windy

PHOTO(S)

Yes ★

CARLSON MCCAIN PERSONNEL ON SITE

Ryan Krupp

SIGNATURE

Ryan Krupp



FIELD INSPECTION LOG

DAILY LOG

DATE 9 26 17

SHEET 2 OF 2

PROJECT NAME: BEPC - Pioneer CASE NO. PU- 12-509

FIELD ACTIVITY SUBJECT:

NOTES:

cont.

Soil piles west of top space - Ag field surround - silt fencing established

* recent dirt work dozer broke fence

- TIC to repair immediately

* recent slide - contained by fence

- TIC to remove sed + reinstall

Concrete Washouts (2) - lined, bermed - fully contained ✓

Discussion w/ Mr. Koch + Mr. Mullenburg reviewing findings

- Repairs - minor to maintain integrity of fences

- Overall good measures in place

- Cont. w/ bi-weekly reports - SWAPP

LATITUDE, LONGITUDE CHANGES FROM PLANS AND SPECIFICATIONS

WEATHER CONDITIONS PHOTO(S) Yes

CARLSON MCCAIN PERSONNEL ON SITE Ryan Kay

SIGNATURE [Signature]