



PSC Weekly Report

Vantage Pipeline US LP Weekly Report for the week ending September 28, 2013

Case Number PU-11-109

- Approximate Progress Numbers:**  
**Spread US – 80 Miles**  
 ➤ **Overall Spread Progress = 37.88%**

Progress of Remaining Mainline Activities	
Mowing	100.00%
ROW	100.00%
Stringing	79.00%
Bending	63.90%
Bores / HDD	40.80%
Welding	49.60%
Coating	31.10%
Ditch	9.20%
Lower-in	7.40%
Tie-in	7.00%
Backfill	4.40%
Clean-up	0.00%
Hydrotest	0.00%

**Pipeline Construction started construction on August 1, 2013.**

- Where there any construction shut-downs this week? If so, when did construction re-start?**  
 - No shut-downs this week.
- Bores (directional or slip/punch):**  
 - There have been 12 bores in the past week.
- Are there cathodic protection stations installed this week? If yes, how many?**  
 - There were no Cathodic Protection Stations installed this week.
- Please comment on this week’s activities for Route Restoration & Revegetation:**  
 - The seed mix for ROW revegetation have been determined and the seed mix has been ordered. Restoration and revegetation activities will begin when adequate topsoil cover has been completed along the ROW.
- Please comment on this week’s Tree & Shrub restoration activity:**  
 - The reclamation assessment for tree and shrub restoration is complete. Final replacement numbers are being compiled. Restoration of trees and shrubs will begin when adequate topsoil cover has been completed through mapped locations.

- ❑ **% of restoration completed (tree removal):**
  - Tree planting will not begin until restoration activities are implemented. Coordination with landowners will be completed to determine locations where replacement trees will be planted, and desired species.
  
- ❑ **Were there any changes or deviation of the line outside the permanent vantage Right-of-Way? Note that any changes must be approved prior to construction (trenching).**
  - There were no changes or deviations to the permanent Right-of-Way this week.
  
- ❑ **Please comment on Erosion Control implementation and include 3 or 4 pictures (eg. erosion control silt fences, welding pipe, tape coating, road crossings, trenching, bending of pipe, supports and braces, safety measures for traffic control, etc.).**
  - Stormwater BMPs have been installed and inspected along the entire 80 miles of ROW. Silt fence and straw wattles have been installed around drainages, between soil berms, around matting, and wetland and riparian areas for sediment control. Soil berms, ditches, and vegetative buffer zones have also been effective for control of sediment discharge.



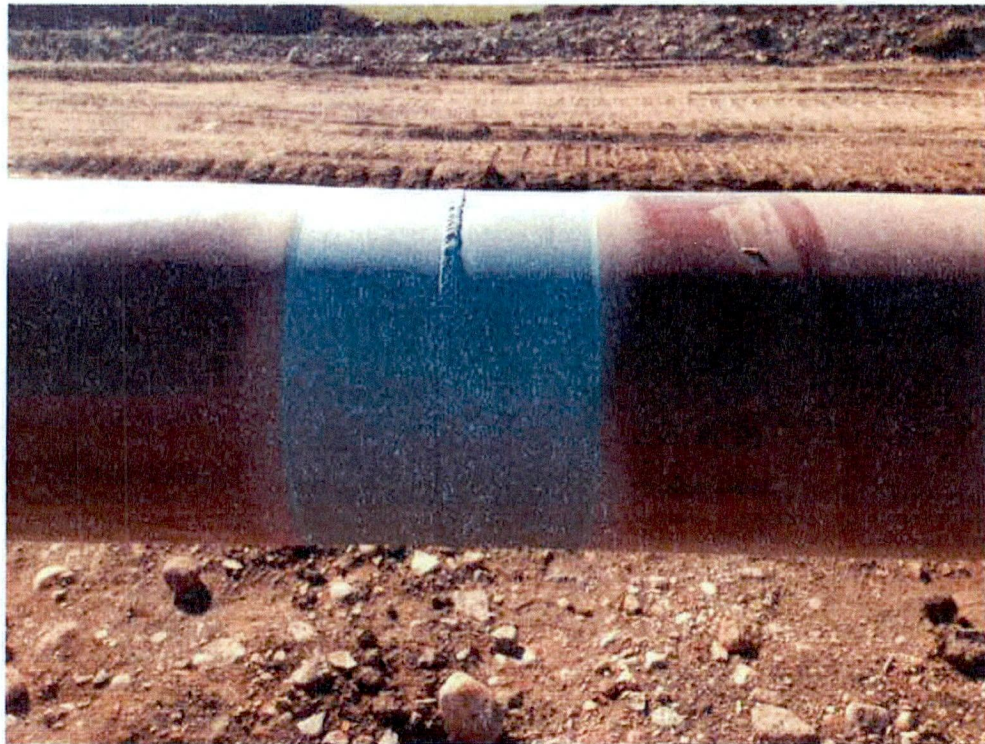
September 26, 2013 – Silt fence between soil berms to control sediment migration.



## PSC Weekly Report

Approximately 0.25" of rainfall was recorded throughout the reporting period. Storm water accumulation in boring pits and trenches continues to be removed by pumping water into sediment bags that are placed in heavily vegetated areas for water dispersion and in some cases placed behind an existing silt fence where space is limited.

Directional drilling of the two cultural sites beginning at MP38.83 was completed on September 27, 2013. Borings were also completed under Highway 85 and a second cultural site at MP53.30. Mud pits associated with drilling activities were backfilled and compacted with native material. No environmental issues were noted at drilling locations. No environmental concerns were noted associated with conventional drilling under major roads and wetlands during the reporting period.



September 24, 2013 – Heavy wall pipe welded and primed for final coating at the joint.



September 27, 2013 – Lead welding crew at MP37.82.

Trenching activities and pipe installation continued to MP8.00. Pipe stringing operations continued to MP62.00 during this reporting period.

- Were there any sightings of threatened/endangered species (including bald or golden eagles) this week? If yes, where? Did it effect construction? Elaborate on shut-down section above if applicable.**

- No threatened and endangered species or eagles were sighted or reported.

- Please comment on the stripping and segregation of topsoil this week. (% complete or miles that week – stripping phase):**

- Topsoil stripping and subsoil grading was completed 100% during the reporting period. Topsoil stockpiles are located on the outside edge of the temporary work space and will be replaced once regarding and contouring has been completed. Regrading, contouring, topsoil cover was completed to MP1.07 during this reporting period.



September 26, 2013 – Final topsoil stripping grading with the Canadian border in the foreground.

- Were any cultural resources, paleontological resources, archeological resources, historical resources, or grave sites discovered during construction? There should be at least one entry at the end of the report that none of these items were seen during construction. If yes, what action was taken at the site?**

On September 27, 2013, an isolate consisting of a nondiagnostic bone fragment and a chipped stone scraper were found in the graded right-of-way at Milepost 6.55. No other artifacts or features were located in the vicinity even after extensive search. The isolate was recorded on the appropriate North Dakota site forms and referred to the Ethnoscience, Inc., home office. The isolate is recommended not eligible for the National Register of Historic Places. Construction was not halted during recording of the isolate.

No new cultural, paleontological, archaeological, historical, or grave sites were discovered during construction.



## PSC Weekly Report

- Reclamation and clean-up chainages from start-finish, please comment on coordination with ongoing construction:**
  - Regrading and topsoil spreading began at the end of this reporting period. Coordination with crews began and environmental monitors are on-site for topsoil spreading and location of final stormwater BMP inspections.
  
- Please note location(s) of any repairs to Fencing and Gates this week:**
  - Compromised gates and fences continue to be repaired or replaced during construction activities.
  
- Please document the restoration of any off-Row roads this week:**
  - Restoration of off- Row roads has not been needed during the reporting period.
  
- Please comment on Fertilization and Reseeding activities this week:**
  - No seeding or fertilization work has occurred at this time.