



PSC Weekly Report

Vantage Pipeline US LP Weekly Report for the week ending November 9, 2013

Case Number PU-11-109

- Approximate Progress Numbers:**  
**Spread US – 80 Miles**  
**Overall Spread Progress = 86.74%**

<b>Progress of Remaining Mainline Activities</b>	
Mowing	100.00%
ROW	100.00%
Stringing	100.00%
Bending	100.00%
Bores / HDD	100.00%
Welding	100.00%
Coating	100.00%
Ditch	88.20%
Lower-in	85.70%
Tie-in	83.30%
Backfill	82.00%
Clean-up	49.60%
Hydrotest	38.80%

**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 0 bores in the past week.
- Are there cathodic protection stations installed this week? If yes, how many?**  
 - There were 17 Cathodic Protection Stations installed this week.
- Please comment on this week’s activities for Route Restoration & Revegetation:**  
 - Restoration continued during this reporting period to MP 37 (approximately 47% complete). Permanent stormwater BPM installation continues as topsoil is spread and restoration moves forward. Permanent BMP mapping along the pipeline began during this reporting period to MP12. Seeding continued along the ROW during this reporting period to MP12.
- Please comment on this week’s Tree & Shrub restoration activity:**  
 - Trees and shrubs will be replanted beginning in Nov 2013 and continuing until Oct 2014 as weather conditions permit.



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- **Percent of restoration completed (tree removal):**
  - The tree and shrub mitigation plan has been completed and sent to the PSC for approval. The plan includes a line list of replacement trees and shrubs by species, milepost, stem count, and landowner. Upon approval of this plan, the trees and shrubs may be replanted beginning in November 2013 and continue to Oct of 2014 as weather conditions permit.
  
- **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 BMP's installed for construction activities have been installed and inspected along the entire 80 miles of ROW. As restoration of the ROW continues construction BMP's are being replaced with permanent BMP's.

Storm water from past precipitation events continues to be removed from boring pits, trenches, and within low spots along the ROW. Water is being 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. Michel's environmental crew is systematically addressing details of any required maintenance noted during stormwater inspections.



Stormwater dewatering activities from tie-in excavation along ROW.

Trenching activities are ongoing using excavators. Trenching activities have reached MP 69 during this reporting period. Set-up continued for block-valve construction at block valve locations during this reporting period. Pipe has been installed to MP 66 during this reporting period. Marking of trench break locations on pipe along the ROW was completed during this reporting period.



Trenching activities through wetland area at MP 65.65.



Padding/backfilling along ROW near MP 61.

The final directional bore site under a cultural site beginning at MP 68.37 ending at MP 67.85 was completed during this reporting period. Release of drilling fluid was observed along this drill line, including within mapped exclusion zones. All releases were promptly addressed with the installation of silt fence and straw wattles. A



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wetland near MP 68.02 received approximately 4.5 cubic yards of drill fluid. Cleanup of the drill fluid in this wetland will begin following approval of proposed cleanup measures by the USFWS.

Hydrostatic testing of the approximate first 30 miles of pipeline was completed during this reporting period. The water permit for withdrawing water from Cottonwood Lake for hydrostatic testing was received on November 1, 2013. Following permit requirements, the North Dakota Department of Health was notified of the testing water discharge at least five days prior to the discharge. Discharge water was directed to a constructed straw bale/geotextile fabric energy dissipation dewatering structure to eliminate the potential for erosion at the discharge outlet. The discharge water was allowed to flow through the dewatering structure and across a well vegetated slope. Also, per discharge permit requirements, the flow rate and volume were recorded during the discharge and a visual observation for oil and grease was completed during the discharge. Since no sheen was observed on the discharge water, an oil and grease sample was not required. In addition, following permit requirements, personnel collected discharge water samples at the beginning of the discharge and near the end of the discharge. Samples were collected for pH and total suspended solids (TSS) analysis.



Hydrostatic testing discharge to the energy dissipation dewatering structure.

- 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.**



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- 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):**
  - All stripping has been completed. Topsoil stockpiles are located along the outside edge of the temporary work space and are being spread across the ROW as part of the re-grading and contouring activities.
- 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?**

Archaeological monitoring continued on the pipeline project from Monday, 11/4/13 through Sunday, 11/11/13.

A previously unidentified site was discovered in the vicinity, at MP 38.89. The site consists of a single cairn immediately south of the ROW. The site was recorded in the field and will be recorded on appropriate North Dakota site forms.

- Reclamation and clean-up chainages from start-finish, please comment on coordination with ongoing construction:**
  - Regrading and topsoil spreading continued during this reporting period. Coordination and communication with crews continues as environmental monitors are on-site for topsoil spreading, rock management, location of slope breaks, and location of final stormwater BMP installations.
- 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 by crew.
- Please document the restoration of any off-ROW roads this week:**
  - Restoration of off- ROW roads are addressed and repaired by construction crew.
- Please comment on Fertilization and Reseeding activities this week:**
  - Favorable soil conditions allowed for reseeded to begin on October 31, 2013. Seeding activities continued to MP 12 during this reporting period.