



Vantage Pipeline US LP Weekly Report for the week ending November 2, 2013

Case Number PU-11-109

- Approximate Progress Numbers:**
Spread US – 80 Miles
Overall Spread Progress = 76.62%

Progress of Remaining Mainline Activities	
Mowing	100.00%
ROW	100.00%
Stringing	100.00%
Bending	100.00%
Bores / HDD	85.30%
Welding	100.00%
Coating	100%
Ditch	70.10%
Lower-in	69.70%
Tie-in	69.70%
Backfill	62.30%
Clean-up	39.00%
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 0 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:**
 - Restoration continued during this reporting period to MP 31 (approximately 38% complete). Final stormwater BPM installation continues as topsoil spread and restoration moves forward. Revegetation activities began on October 31, 2013 with seed application along the ROW and continued through the remainder of this reporting period to MP 2.
- Please comment on this week’s Tree & Shrub restoration activity:**
 - Restoration of trees and shrubs will begin when adequate topsoil cover has been completed.



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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 land owner. Upon approval of this plan, the trees and shrubs may be replanted beginning in November 2013 and continuing until November 2014 as weather conditions permit. All planting will be completed by November 30, 2014.

- **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 accumulation in a low spot along the ROW.

Trenching activities are ongoing using excavators. Trenching activities have reached MP 54 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 52 during this reporting period

One HDD bore location remains to be completed. The directional bore site under a cultural site beginning at MP 68.37 ending at MP 67.85 continued during this reporting period. Release of mud and water during the drill has been observed along this drill line. All releases have been promptly addressed with the installation of silt fence and straw wattles. The mud/water mix broke thru a silt fence and a dry wetland near MP 68.02 received approximately 4.5 yards of drill fluid. Cleanup of this release into the dry wetland will begin after drilling is complete and pipe has been installed. Wetland cleanup methods will be submitted to the USFWS for approval before commencement. Cleanup methods of releases within cultural areas will be determined based on landowner requirements.



HDD boring activities at MP68.37.

Setup for hydrostatic testing of the first 30 miles of pipeline continued during this reporting period. The water permit for withdrawing water from Cottonwood Lake for hydrostatic testing was received on November 1, 2013.



Pump setup for hydrostatic testing from Cottonwood Lake



Pipeline preparation for hydrostatic testing with discharge pipe on the right.



Discharge water containment area with dissipater



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- 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):**
 - All stripping has been completed. Topsoil stockpiles are located on 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, 10/28/13 through Sunday, 11/3/13.

Cultural monitoring activity focused on trenching and backfill crews working intermittently near TCPs from milepost (MP) 43.36 to MP 58.05, and a boring crew working at MP 67.86 to MP 68.16. A dewatering station area was observed east of the construction corridor between MP 30.90 and MP 30.94 south of Cottonwood Lake.

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

- 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 to monitor topsoil spreading, rock management, location of slope breaks, and location of final stormwater BMP installations.

- Please note locations(s) of any repairs to Fencing and Gates this week:**
 - Compromised gates and fences continue to be repaired or replaced during construction activities by Michel's environmental crew.

- Please document the restoration of any off-Row roads this week:**
 - Restoration of off- ROW roads are addressed and repaired by Michel's crew.

- Please comment on Fertilization and Reseeding activities this week:**
 - Favorable soil conditions allowed for reseeding to begin on October 31, 2013. Seeding activities continued to MP 2 during this reporting period.