



Vantage Pipeline US LP Weekly Report for the week ending October 12, 2013

Case Number PU-11-109

- Approximate Progress Numbers:**
 - Spread US – 80 Miles**
 - **Overall Spread Progress = 50.84%**

| Progress of Remaining Mainline Activities | |
|--|---------|
| Mowing | 100.00% |
| ROW | 100.00% |
| Stringing | 100.00% |
| Bending | 90.60% |
| Bores / HDD | 43.20% |
| Welding | 77.90% |
| Coating | 54.10% |
| Ditch | 26.30% |
| Lower-in | 21.20% |
| Tie-in | 20.10% |
| Backfill | 18.60% |
| Clean-up | 8.90% |
| 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:**
 - The reclamation assessment and seed mix formulation for ROW revegetation have been completed. Seed mix has been ordered. Restoration and revegetation activities will begin when topsoil cover is adequately dry along the ROW. Route topsoil spreading has been completed to MP7.67 (approximately 9% complete).



An excavator pulls topsoil back onto the ROW for spreading

- 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.

- Percent 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.).**



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- 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.

A precipitation event occurred on October 11, 2013 with a total accumulation of over 1.5 inches of rain. A stormwater event BMP inspection will be completed as soon as the ROW adequately dries for accessibility. Storm water from the event accumulated in 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 inspections.

Set-up began for block-valve construction along 74th Ave during this reporting period.



Block-valve pad location just south of 74th Ave.

Conventional drilling under major roads and wetlands was completed during the reporting period. Four HDD areas remain to be completed. The directional bore under a cultural site beginning at MP 74.98 ending at MP75.39 continued during this reporting period. Various amounts of mud and water from the drilling appeared on surface. All releases were promptly contained with silt fence and straw wattles. No wetlands or riparian areas were impacted by mud release.

Where reasonable, the mud releases will be cleaned up. In some cases mud releases will be left and reclaimed during the seeding process.



Silt fence contains drill mud.

- 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 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. Regrading, contouring, and topsoil cover placement was completed to MP7 during this reporting period.

- Were any cultural resources, paleontological resources, archeological resources, historical resources, or grave sites discovered during construction?**



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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, 10/7/13 through Sunday, 10/13/13.

During observation of ditching through a homestead site, three fragments of whiteware without makers' marks and an unidentifiable metal fragment were observed in the spoil pile. They were recorded and photographed. Though lying slightly outside the site boundary, they are displaced from their original locations. No further action required.

Most of the week was spent observing the directional drill under the cultural sites between mileposts 74.98 to 75.39.

No new archaeological resources were discovered during the week aside from displaced, non diagnostic artifacts in association with previously recorded homestead.

- Reclamation and clean-up chainages from start-finish, please comment on coordination with ongoing construction:**
 - Regrading and topsoil spreading was slow due to a rain event but continued during this reporting period. Coordination and communication with crews continues as environmental monitors are on-site for topsoil spreading, access rock management, 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.

- 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. Formulation of appropriate seed mixtures for reclamation along the ROW has been completed. Seeding will begin once the reclaimed locations dry after the recent rainfall.