



Vantage Pipeline US LP Weekly Report for the week ending December 7, 2013

Case Number PU-11-109

- Approximate Progress Numbers:**  
**Spread US – 80 Miles**  
**Overall Spread Progress = 100.00%**

<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	100.00%
Lower-in	100.00%
Tie-in	100.00%
Backfill	100.00%
Clean-up	100.00%
Hydrotest	100.00%

**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 4 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 80 (approximately 100% complete). Permanent stormwater BPM installation continues as restoration moves `installing silt fence to installing hay wattles on November 21, 2013. Stakes and flagging are being removed at exclusion zones following restoration activities. Permanent BMP mapping has been completed to MP 80. Seeding has been completed to MP 25 with small sections being completed between MP 25 and MP 50. Seeding was discontinued on November 19, 2013 due to snow, sub-zero temperatures, and frozen ground.



## PSC Weekly Report

- **Please comment on this week's Tree & Shrub restoration activity:**
  - Tree and shrub activities will begin during the spring of 2014. The PSC approved the tree and shrub mitigation plan on November 22, 2013. Trees and shrubs will be planted in the spring as weather conditions permit. The tree and shrub plan includes a line list of replacement trees and shrubs by species, milepost, stem count, and land owner.
  
- **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 during construction activities have been inspected along the entire 80 miles of ROW.

Hydrostatic testing of the final 50 miles of pipeline was completed on November 30 and discharge of test water was completed on December 1. Discharge was conveyed, via pipe, to the energy dissipation structure previously used for hydrostatic discharge. Additional rolled sediment matting, with flocculent was used as a secondary BMP place downslope of the dissipation structure. An inspection of the area following discharge indicates that flocculants functioned as planned, as abundant iron precipitate was observed in the dissipation structure and secondary BMP structure. Discharge sample were collected and submitted to Energy Laboratory for testing per requirements of the discharge permit.



MP 30.91 Discharge energy dissipation structure following discharge. Note abundant iron precipitate.



Topsoil spreading near MP77.5.

- 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. (percentage complete or miles that week – stripping phase):**
  - All stripping has been completed. Segregated topsoil and subsoil piles are being re-graded during the restoration activities. The lead crew completes the subsoil grading and uses an excavator to pull subsoil stockpiles away from the topsoil piles. The final restoration grading crew completes the topsoil spreading and final grading.
  
- Reclamation and clean-up chainages from start-finish, please comment on coordination with ongoing construction:**
  - 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. Segregated topsoil and subsoil piles are being re-graded during the restoration activities. The lead crew completes the subsoil grading and uses an excavator to pull subsoil stockpiles away from the topsoil piles. The final restoration grading crew completes the topsoil spreading and final grading.



Frozen subsoil ripped with Dozer prior to spreading near MP 78.



## PSC Weekly Report

- **Please note locations(s) of any repairs to Fencing and Gates this week:**
  - As restoration activities progress temporary gates will remain in fences since access for seeding will be required next spring. Compromised gates and fences continue to be repaired or replaced during construction activities by Contractor's fencing crew.
  
- **Please document the restoration of any off-ROW roads this week:**
  - Restoration of off- ROW roads are addressed and repaired by the construction crew.
  
- **Please comment on Fertilization and Reseeding activities this week:**
  - Seeding was discontinued on November 19, 2013 due to snow, sub-zero temperatures, and frozen ground. Seeding from MP 25-80 will be completed during the spring of 2014.