Mountain Valley Wetland Biological Conditions EA Report							t				
Project Name H-600 Pipeline			e Spread F	<b>AFE</b> 12430	0135	Spread	H-600 Pipelin	600 Pipeline Spread F			
	Conti	ractor Price Gregory	Report # 107								
Envir	onmental	Auditor Luke Fultz	<b>Date/Time</b> 10/26/2023 3:4					44 PM			
Wetland ID W-K9-PEM-1			Crossing Start Date 11/9/2023 Cros		crossing Complet	g Completion Date 11/17/202					
Milepost 155.19		155.19	Pre-Con Assessment Date 10/26		3 <b>Pc</b>	Post-Con Assessment Date 11/17		17/2023			
Station 8194+28		8194+28	Cowardin Classification PEM Wetland Impact Area(acres)0.03					354			
	State WV										
	County Greenbrier										
	Resource Post-Crossing Conditions										
1		• •	ent mats or other suitable methods utilized under heavy equipment to minimize soil and disturbance in wetlands?					Yes			
2			n removed prior to initiating land disturbance within the resource?					Yes			
3	Was t						Yes				
4	Was	Was excess material not needed for backfill removed and disposed of in an upland area?						Yes			
5		Was the top 12-inches of backfill made with clean native wetland topsoil?					Yes				
6	Were standard decompaction practices (disking, plowing, cultivating, tilling, or incorporation of organic matter into the topsoil horizon) implemented prior to applying seed?						Yes				
7	Was wetland topsoil replaced and temporarily seeded?						Yes				
8	Was permanent seed applied to unsaturated wetlands?							Yes			
9	Was equipment/timber matting removed from the wetland area properly by vertically lifting, and not pulling through the impact area?						Yes				
10	Were impervious trench breakers/plugs properly installed within 25-feet of the resource to prevent subsurface erosion to or from the resource area?					Yes					
11	Was the pre-construction survey data utilized during restoration in attempt to maintain the original surface hydrology, and were contours re-established to pre-construction conditions to maintain overland flow patterns?						Yes				
12	Have civil surveys been scheduled to verify as-built conditions meet pre-construction conditions in accordance with the project Mitigation Framework and federal/state permit requirements?						Yes				
13		Was the time of disturbance minimized by conducting resource work continuously to completion?					Yes				
14	the pr	Does the post-construction square footage of wetland area appear to be restored to meet or exceed the pre-construction area square footage?					Yes				
15	Are bareroot saplings required and/or scheduled to be planted for the dormant season (10/1 – 4/30) in PFO classified wetlands?					N/A					
16		Did any unauthorized discharges to unpermitted resources occur during the crossing? If so, explain the corrective actions implemented in the Comments section and include additional photos.					No Post Con				
4-	Wetla	and Saturation: Are	Biological Condition surface waters, the water table, ar		saturati	ion	Pre-Con	Post-Con			
17	present	t? (Select Yes or No)					Yes	Yes			
18	haul roa	Resource Alterations: Are the wetland soil conditions visibly disturbed? Examples: Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.  Rating: 1-Negligible (undisturbed/natural resource), 2-Minor (20-40% of resource disturbed by alterations), 3-Moderate (40-80% of resource disturbed), 4-Poor (>80% of resource disturbed)					2				
19	Con)/ Ratin Margina	Is vegetation present within the permitted impact area prior to disturbance? (Pre-Con)Are areas properly seeded and stabilized after restoration? (Post-Con)  Rating:1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetative coverage), 3-Marginal (<30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetative coverage, etc.)						1			

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## **Additional Notes**

## Pre-Construction Notes

Pre-Construction Meeting - 10/26/2023

- 17. Test pit did contain water or saturated soils. Hydric soils present.
- 18. Ag, livestock, mowing, previously constructed drainage swell.

Timber mat in place for travel lane.

- 11/9/2023 Reviewed Pre-Construction Assessment completed on 10/26/2023. No changes observed. Excavated wetland topsoil (Photo 1) and segregated in upland area. Test drilling in aquatic resource area (Photo 2). Work ongoing at other locations at this site.
- 11/10/2023-11/11/2023 No work in resource. Work ongoing at other locations at this site.
- 11/13/2023 Timber mats put in place to begin excavation of aquatic resource. Excavation of trench through aquatic resource (Photo 3). Pumped water from trench in aquatic resource area and then repeated as needed. Sandbags for padding added in trench (Photo 4). Pipe placed in trench through aquatic resource area and prepared for welding (Photo 5). Welding and x-ray of connection outside of aquatic resource area.
- 11/14/2023 Pumping water from trench in aquatic resource area. Construction of trench breaker on the southern side of the aquatic resource area (Photo 6). Began backfilling.
- 11/15/2023 Pumping water from trench in aquatic resource area. Work ongoing at other locations at this site including welding and x-ray.
- 11/16/2023 Pumping water from trench in aquatic resource area. Construction of trench breaker on the northern side of the aquatic resource area. Continued backfilling subsoils in aquatic resource area (Photo 7). Survey onsite shooting pre-restoration soil levels. Restored and contoured wetland topsoil (Photo 8). Seeding completed and jute added. Reseeding completed. Dark. Final check and assessment to be completed in the morning when visibility is better.
- 11/17/2023 Site evaluated to determine if restoration is complete. Post Construction Assessment completed.

## Post Construction Notes

- 17. Saturated soils.
- 19. Crossing and riparian areas have been recently restored. These areas will be monitored until 80% vegetative coverage has been achieved and areas that do not have 80% vegetative cover within 30 days will be reseeded. Timber mat remains in place for travel lane and work area access.

In accordance with the Mountain Valley Pipeline Comprehensive Stream and Wetland Monitoring, Restoration and Mitigation Framework, this independent report was completed to document the on-site monitoring of instream invertebrate and fisheries resources during all construction activity related to waterbody and wetland crossings, and document instream conditions and any impacts to the resources.

Name	Signature	Company	Date
Luke Fultz	Julo Fulto	Potesta	11/17/2023

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