Mountain Valley PIPELINE LLC Wetland Biological Conditions EA Report								
Project Name H-600 Pipeline		e Spread E	AFE 124300134	4 Spread	H-600 Pipeline	600 Pipeline Spread E		
Contractor Price Gregory				Report #	30			
Enviro	nmental Auditor Dan Miller			Date/Time	3/24/2023 10:	57 AM		
Wetla	and ID W-H31	Crossing Start Da	ate 8/26/2023	Crossing Complet	ion Date 9/9	n Date 9/9/2023		
Milepost 6964.45		Pre-Con Assessment Date 8/24/2023 Post-Con Assessment Date 9/9		/2023				
Station 367722+96		Cowardin Classification PEM Wetland Impact Area(acres)0.0			139			
	State W∀							
C	County Nicholas							
Resource Post-Crossing Conditions								
1		/ere equipment mats or other suitable methods utilized under heavy equipment to minimize soil ompaction and disturbance in wetlands?						
2	 	n removed prior to initiating land disturbance within the resource?				Yes		
3						Yes		
4	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	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 Root Con		
4-	Wetland Saturation: Are	Biological Condition surface waters, the water table, ar		uration	Pre-Con	Post-Con		
17	present? (Select Yes or No)				No	No		
18	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)					4		
19	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		

vegetative coverage, etc.)

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Additional Notes

Pre-Construction Notes

Pre-Construction Meeting 1000 (8/24/2023)

Pre-Construction Assessment Completed (8/24/2023)

EI for crossing is Justin Vanhorn

17. No surface water, saturation, or water table present in wetland. Secondary indicators present and wetland vegetation noted.

Day 1 (8/26/2023)

Rain over past 24hr ~1.1 inches. Wetland topsoil was excavated (Photo 1) and stored in upland area (Photo 2). Work at site also included hammering and digging of trench (Photo 3), rock and soil relay.

Day 2 (8/27/2023)

Hammering and trench development continued. Bedding placed in trench to prepare for pipe placement (Photo 4). Section of pipe placed in trench (Photo 5).

Day 3 and Day 4 (8/28/2023 and 8/29/2023)

Welding on-going throughout both days. Stop work occurred on Day 4 due to safety concerns associated with the trench. Precipitation total for both days ~ 1.95 inches.

Day 5 (8/31/2023)

Work consisted of a combination of the following activities: welding; maintaining trench integrity; pumping; pipe rock guards, sand blasts, and coating. A trench guard was also put in place.

Day 6 (9/1/2023)

A misalignment was identified, pipe removed and associated adjustments to trench were ongoing.

Day 7 (9/2/2023)

Trench surveyed; pipe returned to trench and welding proceeded.

Holiday Weekend - No work 9/3/2023 and 9/4/2023

Day 8 (9/5/2023) and Day 9 (9/6/2023)

Welding and x-ray of the pipe in the trench was ongoing. Once x-ray was completed backfilling of the trench outside of the resource area began.

Day 10 (9/7/2023)

Installed cathodic protection. Construction of three trench breaks adjacent to resource were completed. Filling of trench on-going outside water resources.

Day 11 (9/8/2023)

Final trench break completed (Photo 6). Trench filling in the resource area was completed. Survey completed for final contouring of the resource. Wetland soil was returned to resource location (Photo 7).

Day 12 (9/8/2023)

Flume removed. Wetland was seeded (Photo 8). Post construction assessment completed.

Post Construction Notes

- 17. Water was not noted in resource post construction. Soils were not saturated.
- 18. 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.

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
Dan Miller	pmille	Potesta & Associates	9/9/2023

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