Mountain Valley PIPELINE Wetland Biological Conditions EA Report								
Project Name H-600 Pipeline		e Spread E	AFE 124300134	4 Spread H-	600 Pipeline Spread E			
Contractor Price Gregory Report # 62								
Enviror	nmental Auditor Tim Ferguson	1		Date/Time 9/2	20/2023 9:5	3 AM		
Wetla	and ID W-L2	Crossing Start Da	te 9/20/2023	Crossing Completion	n Date 9/28/2023			
Milepost 148.46		Pre-Con Assessment Date 9/20/2023 Post-Con Assessment Date 9/2		8/2023				
Station 7838+69		Cowardin Classification PEM Wetland Impact Area(acres)0.03			393			
State WV								
County Greenbrier								
Resource Post-Crossing Conditions								
1	compaction and disturbar	or other suitable methods utilized under heavy equipment to minimize soil bance in wetlands?						
2	Was the existing vegetati	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?					N/A		
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, an		ıration	Pre-Con	Post-Con		
17	present? (Select Yes or No) Resource Alterations: A haul roads, farm traffic, drain til Rating: 1-Negligible (undistu	re the wetland soil conditions visibl es, recent mowing/clear cutting, re rbed/natural resource), 2-Minor (20	y disturbed? Exam cent excavating/disk -40% of resource di	nples: Livestock presence, ing of soils, etc.	Yes 2	Yes 4		
19	Moderate (40-80% of resource disturbed), 4-Poor (>80% of resource disturbed) 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.)					4		

vegetative coverage, etc.)

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Additional Notes

Pre-Construction Notes

Pre-Construction Meeting - 9/18/2023 @ 1130

Pre-Construction Assessment Completed (9/20/2023)

- 17. Pre-Construction Test pit contained saturated soils (Photo 1).
- 18. Pre-Construction Timber mat present (travel lane)

Day 1 (9/20/2023)

Dam and pumps put in place. Wetland topsoil removed (Photo 2) and segregated in an upland area (Photo 3).

Day 2 (9/21/2023)

Drilling and blasting occurred in and around the aquatic resources. Blasting mats were utilized. Trench excavation (Photo 4) and dewatering occurred post blasting.

Day 3 (9/22/2023)

Trench work in resource and pumping from trench on-going. Pipe placed into the trench (Photo 5) and welding outside of the resource occurred.

Day 4 (9/23/2023)

X-ray completed on pipe. Survey work on alignment completed and adjustments made. Excavation of trench ongoing outside of resource.

Day 5 and Day 6 (9/25/2023 and 9/25/2023))

Trenching continued outside resource area. Other activities include pumping from the trench, coating, and welding. X-ray was completed on Day 6.

Day 7 (9/27/2023)

Filling of trench and installing trench breakers (Photo 6).

Day 8 (9/28/2023)

Trench at aquatic resources filled (Photo 6). Survey marked resource. Elevations set and topsoil elevations in resource confirmed by survey (Photo 7). Dams removed. Aquatic resources seeded (Photo 8). Post Construction Assessment Completed.

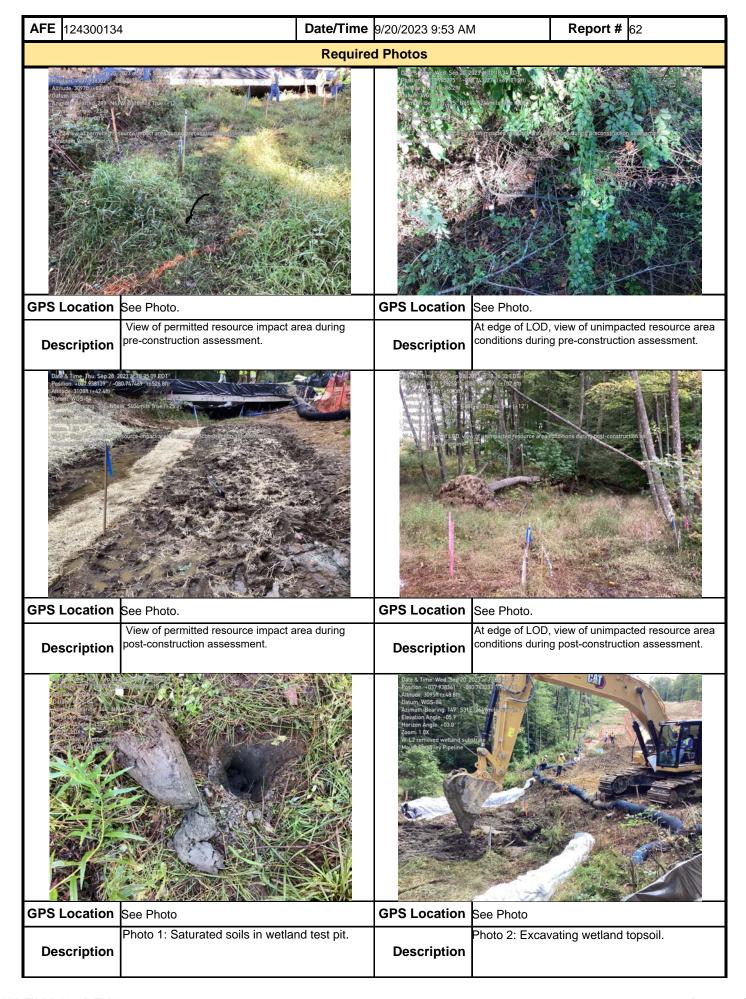
Post Construction Notes

- Permanent wetland seed was applied in-lieu of temporary seed after final wetland topography was confirmed by survey.
- 9. Additional equipment mats were not utilized due to the size of the resource (equipment completed work from outside the wetland boundary). Does not include timber mats that remain in place for travel lane.
- 17. Post Construction test pit contained saturated soils.
- 18. Does not include timber mats that remain in place for travel lane.
- 19.Crossing and riparian areas have been recently restored. These areas will be monitored until 80% vegetative cover has been achieved and areas that no not have 80% vegetative cover within 30 days will be reseeded.

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
Tim Ferguson	2-2-	Potesta & Associates, Inc.	10/9/2023

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