	Mountain Valley	Wetland Biol	ogical Co	onditions E	A Repor	t	
Project Name H-600 Pipeline		e Spread D	AFE 124300132	2 Spread	H-600 Pipelin	000 Pipeline Spread D	
	Contractor Precision	•	•	Report #	149		
Enviro	nmental Auditor Scott Wessel	Date/Time 11/25/2023 8:			12 PM		
Wetl	and ID W-FF3	Crossing Start Date	:e 11/25/2023	Crossing Comple	Completion Date 12/		
Milepost 114.43		Pre-Con Assessment Date	sment Date 11/15/2023 Post-Con Assessment Date		nent Date 12/	21/2023	
Station 6041+82		Cowardin Classification PEM Wetland Impact Area(acres)0.0				444	
	State WV						
C	County Nicholas						
	IM/are aguinment mate an	Resource Post-Cro			ina nail		
1	Were equipment mats or other suitable methods utilized under heavy equipment to minimize soil compaction and disturbance in wetlands?				Yes		
2	<u> </u>	egetation removed prior to initiating land disturbance within the resource?				Yes	
3	Was the top 1-foot (12-inches) of wetland soil segregated and stockpiled separate from trench spoils?				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?				See Below		
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 s	Biological Conditions surface waters, the water table, and		uration	Pre-Con	Post-Con	
17	present? (Select Yes or No)				No	No	
18	haul roads, farm traffic, drain tile Rating: 1-Negligible (undisturb	e the wetland soil conditions visibly es, recent mowing/clear cutting, rec bed/natural resource), 2-Minor (20- listurbed), 4-Poor (>80% of resourc	ent excavating/disk 40% of resource di	king of soils, etc.	1	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.)				4		

vegetative coverage, etc.)

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Additional Notes

11/25/23 – At the commencement of wetland crossing W-FF3, the top 12" of wetland soil was segregated and stockpiled on plastic that was surrounded by silt fence on the coming in side (CIS) of the resource. The loose ends on the CIS and going away side (GAS) of crossing were excavated.

11/26/23 to 11/28/23- In the process of excavating the ditch line, a solid rock layer was hit that required the use of a rock hammer for the remainder of the trenching operations. Once the proper depth was achieved, the ditch was lined with interval spaced sandbags.

11/29/23 to 11/30/23 – The contractor focused their efforts on welding together the pipe sections for the wetland crossing. X-ray, coating, and rock shield activities were carried out once the welds were completed.

12/1/23 to 12/4/23 - The pipe section for W-FF3 was lowered into the ditch and welding operations on the CIS and GAS loose ends commenced during these days. Once the welds were confirmed by x-ray, coating and rock shields were applied to the pipe.

12/5/23 - No work was conducted on Sunday.

12/6/23 to 12/9/23 – The trench breakers were installed outside of the wetland boundaries at 50' on the CIS and 4' on the GAS. Once the bentonite trench breakers on the CIS and GAS were installed, the padding of the pipe and backfilling of the trench began.

12/10/23 to 12/20/23 – Due to inclement weather, saturated soils, and problems with welding on nearby resource crossings, most of the construction efforts were focused on those areas during these days.

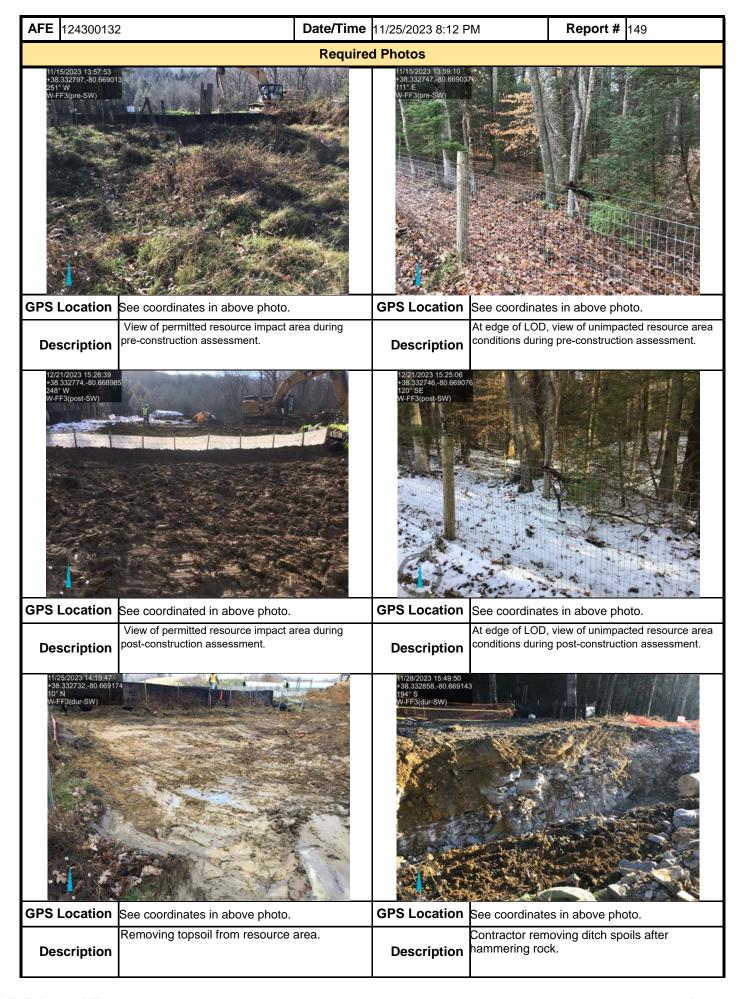
12/21/23 – Civil survey verified that the top 12" of wetland soil was replaced to its original elevations and contours. The proper seed mix was applied to the topsoil and silt fence was installed along the wetland boundaries.

Conditions 18 and 19 were given a rating of 4 due to the lack of vegetation in the disturbed permitted impact area following completion of the crossing and restoration efforts. The W-FF3 PEM topsoil was properly stabilized and the disturbed area was seeded with the appropriate permanent seed mix in accordance with Appendix B: Restoration Work Plan of the Mountain Valley Pipeline Comprehensive Stream and Wetland Monitoring. Restoration and Mitigation Framework.

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
Scott Wessel	Lot The	SWCA	12/21/2023

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