Mountain Valley Wetland Biological Conditions EA Report							t				
Project Name H-600 Pipeline			e Spread F	AF	AFE 124300135		Spread	H-6	600 Pipeline Spread F		
	Contractor Price Gregory Report # 101										
Enviro	nmental	Auditor Eric Schicker					Date/Time	10/	25/2023 11	25/2023 11:10 AM	
Wetland ID W-EE4			Crossing Start D	ate	10/25/2023	Crossing Completion Date 11			n Date 11/6	6/2023	
Milepost 158.90			Pre-Con Assessment Date 10/25/2023 Post-Con Assessment Date 1			t Date 11/6	6/2023				
Station 8389+92			Cowardin Classification PEM Wetland Impact Area(acres)0.04					453			
	State	wv							•		
	County	Summers									
			Resource Post-Cr								
1		equipment mats or action and disturbai	other suitable methods utilince in wetlands?	ized	under heavy	equipn	nent to minim	nize	soil	Yes	
2	<u> </u>		on removed prior to initiatin	g lar	nd disturbanc	e withi	n the resourc	e?		Yes	
3			ches) of wetland soil segre						h spoils?	Yes	
4	Was e	excess material not	needed for backfill removed	d and	d disposed of	f in an	upland area?	>	· ·	Yes	
5	-		backfill made with clean na		•		<u>'</u>			Yes	
6	Were standard decompaction practices (disking, plowing, cultivating, tilling, or incorporation of organic					Yes					
7						Yes					
8	Was p	Was permanent seed applied to unsaturated wetlands? Yes					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	surfac	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 Yes overland flow patterns?									
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	PFO classified wetlands?				N/A						
16	the corrective actions implemented in the Comments section and include additional photos.					No					
. –	Wetla	nd Saturation: Are	Biological Condition surface waters, the water table, a		overall soil satu	ıration			Pre-Con	Post-Con	
17	present	? (Select Yes or No)							Yes	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)				3						
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.)				3						

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Additional Notes							

Pre-construction notes:

Pre-construction Meeting - 10/21/2023

Vegetation cleared.

17. Little to no surface water, soil saturated and recharge occurred (Photo 1). Soil clearly hydric.

10/25/2023 - Top 12" of topsoil removed and segregated (Photo 2) to be stockpiled and stored separately. Excavation of trench started. Blasting prep and completed (to breakup bedrock). Rock and spoil removed from trench and relocated to upland area within LOD.

10/26/2023 - Additional drilling and blasting ongoing. Timber mats put in place to allow for additional trench excavation in resource area (Photo 3). Trench through resource compelled (Photo 4). Safety fence installed around trench.

10/27/2023 - More trenching outside resource area and through road cut. Begin pumping in trench. TMB constructed and Jersey Barriers setup at road crossing. Padding added to trench. Pipe sections transported to resource crossing and placed in trench (Photo 5). Hammering and excavation ongoing outside resource crossing, rock and spoil removed.

10/28/2023 - Pumping from trench. Excavating in trench, hammering, and spoil removal outside of aquatic resource area. Bedding added to trench. Rock shield applied to pipe and pipe sections transported to trench outside aquatic resource area.

10/30/2023-10/31/2023 - Pumping from trench. Lowering more pipe sections into trench outside resource area. Welding, x-ray, and sandblasting on-going. Pipe sections transported to trench outside resource area.

11/1/2023 - Welding, sandblasting and coating continued. Test lead wire installed for test box.

11/2/2023 - Pumping from trench. Impervious trench breakers built within 25-ft of stream crossing (Photo 6). Padding dirt added to trench. Welding outside resource area. Rock shield applied to pipe. X-ray of welds.

11/3/2023 - Backfilling of trench at resource (Photo 7). Survey team onside. Returned topsoil to resource area and survey team used pre-construction data to restore wetland elevation. Trench breakers built on either side of road crossing and sand used for wet padding (outside resource area).

11/4/2023-11/6/2023 - Wetland seeded (Photo 8). Concrete poured for road crossing and grading done outside resource area. Survey team onsite to reshoot wetland boundaries per FERC request. Wetland restoration complete.

Post-construction notes:

- 17. Water did not recharge in post construction test pit.
- 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.

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	
Eric Schicker	En Solh	Potesta	11/9/2023	

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AFE 124300135	5	Date/Time	10/25/2023 11:10	AM	Report # 101	
Optional Photos						
Date & Time This Doct 20 Septiment - 937 8198/3 v. Allibute 277 str. sk- go Dogan Wysiger. Azimush Berling of 055 mill. Herizon Angle - 31 D. Zoom 1 0X W-EE4 installing in timber. Mountain Valley Pipeline.			Shirt To the Act of Shirt Shir	23 1a 16 as GMT-2 0 74885 1-22 701 2073mils True 1-12 ph (esource		
GPS Location		-11	GPS Location		sting tuningly the seconds	
Description	Photo 3: Installing timber mats to excavation of trench through aqua	allow atic resource.	Description	Photo 4: Excava	ating trench through resource.	
Alt (Cipe 2960ft (±40.9ft)	E 2613 mile Tgrade The through resource		Date Simble Way See Bond Control of State Control of Stat	223 F & QUEST SPIT 4 7 ASPTS (14.95 31) 2098 mils. True 1=14		
GPS Location	See Photo		GPS Location	See Photo		
	Photo 5: Lowering pipe into trencl area.	h in resource	Description	Photo 6: Buildin	g trench breakers.	
Control of the Contro	20 7 25 5 6 5 8 B 1 5 8 B 1 5 8 B 1 5 8 B 1 5 8 B 1 5		Control of the Contro	A S 607 480 S 109 S 109 9 556 Finals, True (= 12)		
	See Photo			See Photo		
Description	Photo 7: Backfilling of aquatic res	source area.	Description	Photo 8: Applyir resource.	ng seed to the wetland	

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