

## Wetland Biological Conditions EA Report

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Project Name		Name	H-600 Pipeline	Spread F	AFE 124300135			Spread H-600 Pipelin		00 Pipeline	Spread F
Contractor Price Gregory		Price Gregory				Report #	25	25			
Environmental Auditor Beth Burdette				Date/Time 8/21/2023 5:4						9 PM	
Wetland ID         W-K2-PEM         Crossing Start Date         8/29/2023         Crossing Completion Date         9/6/2023										2023	
Milepost 172.73 Pre-Con Assessment Date 8/22/2023 Post-Con Assessment Date 9/6/							2023				
Station 9120+14		Cowardin Classification PEM Wetland Impact Area(acres)						acres)0.01	104		
State WV											
County Summers											
Resource Post-Crossing Conditions											
1	1 Were equipment mats or other suitable methods utilized under heavy equipment to minimize soil compaction and disturbance in wetlands?									Yes	
2	Was t	he exis	sting vegetatio	n removed prior to initiatin	g land	l disturband	e withi	n the resourc	e?		N/A
3	Was t	he top	1-foot (12-inc	hes) of wetland soil segre	jated	and stockp	iled se	parate from tr	renc	h spoils?	Yes
4	Was e	excess	material not r	needed for backfill remove	d and	disposed o	f in an	upland area?	)		Yes
5		•		packfill made with clean na							Yes
6				tion practices (disking, plo zon) implemented prior to	•	•	tilling, o	or incorporati	on c	of organic	Yes
7	Was v	vetlanc	l topsoil replac	ced and temporarily seede	d?						Yes
8	Was p	ermar	nent seed app	lied to unsaturated wetland	ls?						Yes
9	Was equipment/timber matting removed from the wetland area properly by vertically lifting, and not pulling through the impact area?							N/A			
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	6 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.										
Biological Conditions Pre-Con P								Post-Con			
17			t <b>uration:</b> Are s at Yes or No)	urface waters, the water table, a	nd/or o	verall soil satu	iration			Yes	No
18	haul roa <b>Rating</b>	ads, farn <b>g:</b> 1-Neg	n traffic, drain tile gligible (undisturb	e the wetland soil conditions visik s, recent mowing/clear cutting, re ped/natural resource), 2-Minor (2 isturbed), 4-Poor (>80% of resou	ecent e D-40%	kcavating/disk	ing of so	oils, etc.		1	3
19	Con)A Rating Margina	<b>Are are</b> <b>g:</b> 1-Opti al (<30%	as properly stimal (60-100% he	thin the permitted impact seeded and stabilized aft eavy vegetative cover), 2-Sub-op rage), 4-Poor (Mowed/maintained	<b>er res</b> timal (3	toration?	( <b>Post-</b> ) vegetati	<b>Con)</b> ve coverage), 3-		1	1

AFE	124300135		Date/Time 8/21/2023 5:49	PM	Repor	<b>t #</b> 25	
			Additional Notes				
Post Construction 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	Compan	у	Date	
Beth B	urdette	$\langle$	$\overline{\mathcal{L}}$	Potesta & Associat	tes, Inc.	9/6/2023	

AFE 124300135	124300135 Date/Time			/ Report #	25
		Required			
Date & Time: Tue Aug 22 Posingh Vog Add Barry And Antonio Angel Manager Statistics (Control Manager Statistics) Enderhon Angel Manager 10.9 Gradon A	2023 a 1 2 1 2 4 4 DT 2022 a 1 5 1 2 4 4 DT 20 7 Writils True (2 5 1)		Andre S. Timer, Yuer, Aug 22, 25 Banagan (Br. Add Holms, Coll Banagan (Br.	in mit	
GPS Location			GPS Location		
Description	View of permitted resource impact a pre-construction assessment. Overview of W-K2-PEM proposed tre facing downslope.	•	Description	At edge of LOD, view of unimpac conditions during pre-constructio Overview of W-K2-PEM upslope location (No Impact).	n assessment
Date & Time: Tue: Sep 0:2, 2 Position: 037 6581161 / 16 / N / 08 Attitude: 1559/1-147-016 Datum: W05-84 Azimuth/Bearing 220 540 Elévation Angle: -18,2 Horrison Angle: -030/ Zoam: 103 WLK: PEMIMPACI 0/ERV Mountain Valley:	0.73346/ W (-201700)		Brand Starting Start Brand Start Brand Start Start Start Start Start McCBattery Start Rendon Andrew Office Weiter Start Start Start Rendon Andrew Office Rendon Andrew Office Ren	Provide and the second s	
<b>GPS</b> Location	See Photo		<b>GPS</b> Location	See Photo	
Description	View of permitted resource impact a post-construction assessment. Overview of W-K2-PEM restored tren facing downslope.	-	Beeenphen	At edge of LOD, view of unimpac conditions during post-construction Overview of unimpacted resource ROW facing downslope.	on assessment.
GPS Location			<ul> <li>All and a state of the state of</li></ul>	RUTURE RUTURE STATE	
GPS Location			GPS Location		
Description	Photo 1. Wetland 12" topsoil exc segregation onto sled.	cavation and	Description	Photo 2. Wetland 12" topsoil	stock pile.

AFE 12430013	5	Date/Time	8/21/2023 5:49 PM	Л	Report #	25	
			al Photos				
Date & prime West Aug 30 Position - 037 65120 Altitude 15541 (-55.31) Datum 1905-642 Azimuth Boaring 278 NB Eticitation Angle - 13.4 in Horizon Angle - 10.4 Zoom: 10X Resource (Zobarin artez b MUE - 5.11 W 42.4 EM Internet and Internet and In			Date & Time: Fri. Sep 01 for Position - 107 468271 Attitude 15901 t- 250 70 Datum: W05-64 Azimuth/ Bearingo. 401 - Sca Elevation Angle - 02.2 Zoom - 10% Lowering pipe in teer WVP - S-12/0/4/8 Per				
GPS Location			GPS Location				
Description	Photo 3. Resource crossing afte	r blasting.	Description	Photo 4. Pipe	lowered into tr	ench.	
Date & Timel Saft and Or Position 1027 GH 55 7 Atticutes 1927 (1527 Hits Dates 1927) (1527 Hits) (1			Altitude, 1527(No.51) 310 , Datum: WGS.64	24 (15040/2007) 0723944 (=1994) V (4018mils True (=127)			
GPS Location	See Photo		<b>GPS</b> Location				
Description	Photo 5. Installation of trench bro	eaker.		Photo 6. Resto resource.	oration of wetla	and 12" topsoil to	
Date & Timé, Tue: Sep 05, Position, 037 A68190 N / 0 Attitude: 1557ft (=56 Aft) Datum: WG5-846 Azimuth/Bearing 210 53 Elevation Angle - 10.0 Horizon Angle - 10.0 Horizon Angle - 102 A Zoom - 10X W - K2-PEM PREP FOR SEI Mountain Valley	99 3733mils True (=12.)		Date & Time. Wed Sep 08 Demonstration of the second				
<b>GPS</b> Location	See Photo		GPS Location	See Photo			
Description	Photo 7. Final contouring of wetl prep for seeding.	and soil and	Description	Photo 8. Seed	ed wetland.		