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## Wetland Biological Conditions EA Report

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Project Name H-600 Pipeline		H-600 Pipeline	Spread E	AFE 124300134		Spread	H-600 Pipeline Spread		Spread E		
Contractor Price Gregory		Price Gregory					Report #	27			
Environmental Auditor Tim Ferguson Date/Time 8/22/2023 8:2					2/2023 8:28	3 AM					
Wetla	Vetland ID         W-L16         Crossing Start Date         8/24/2023         Crossing Completion Date         9/13/2023										
Mi	Milepost 144.36 Pre-Con Assessment Date 8/22/2023 Post-Con Assessment Date 9/13/20							3/2023			
S	Station         7622+21         Cowardin Classification         PEM         Wetland Impact Area(acres)				( <b>acres)</b> 0.02	247					
	State	WV									
C	County	Greenb	orier								
				Resource Post-Cr		-					
1				other suitable methods utili ce in wetlands?	zed u	nder heavy	equipr	ment to minim	nize	soil	Yes
2	-			n removed prior to initiatin	-						Yes
3	Was tl	he top	1-foot (12-inc	hes) of wetland soil segreo	ated	and stockp	iled sep	parate from tr	enc	h spoils?	Yes
4	Was e	xcess	material not r	needed for backfill removed	d and	disposed o	f in an	upland area?	)		Yes
5				backfill made with clean na							Yes
6			•	tion practices (disking, ploy zon) implemented prior to	•	•	tilling, o	or incorporatio	on c	of organic	Yes
7	Was w	vetland	l topsoil replac	ced and temporarily seede	d?						Yes
8	Was p	erman	ent seed app	lied to unsaturated wetland	ls?						Yes
9	pulling	throug	gh the impact						-		Yes
10	subsu	rface e	erosion to or fr	reakers/plugs properly inst om the resource area?							Yes
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				heduled to verify as-built c ct Mitigation Framework ar						ns in	Yes
13				ce minimized by conductin	-						Yes
14	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	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				
Biological Conditions Pre-Con						Post-Con					
17	17Wetland Saturation: Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)Yes						Yes	Yes			
18	B       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.       1         B       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)       1						4				
19	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				

<b>AFE</b> 124300134	Date/Time 8/22/2023 8:28	BAM Report	t # 27						
Additional Notes									
Pre-Construction Notes Pre-Construction Meeting - (8/21/2023 @ 1000) Pre-Construction Assessment Completed (8/22/2023) 17. Wetland soils were saturated. Test pit recharged to within less than an inch of the soil surface.									
Day 1 (8/24/2023) Wetland topsoil was removed from W-L16 (Photo 1) and segregated in upland area (Photo 2).									
Day 2 (8/25/2023) Heavy rain - no work (0.52")									
Day 3 and Day 4 (8/26/2023 and 8/27/2023) Trenching began in aquatic resources (Photo 3).									
Day 5 through Day 8 (8/28/2023-8/31/2023) Work occurred outside the resource including trenching, pumping, welding, blasting, sand blasting, and other maintenance activities. Rain event occurred on 8/28/2023.									
Day 9 and Day 10 (9/1/2023 and 9/2/2023) Trench prepared for pipe installation and pipe lowered into trench in aquatic resources (Photo 4). Welding and x-ray ongoing in trench.									
Holiday Weekend - No work 9/3/2023 an	d 9/4/2023								
Day 11 through Day 14 (9/5/2023-9/8/2023) Work occurred outside the resource including trenching, pumping, welding, blasting, sand blasting, padding, lowering the pipe into the trench, and other maintenance activities.									
Day 15 (9/9/2023) Began backfilling.  Day called due to thu	nderstorms.								
Day 16 (9/112023) Began to installed trench breakers adjac	ent to resource.								
Day 17 (9/12/2023) Finished installing trench breakers (Phot	o 5) and filling resource. Site graded. S	urvey work began.							
Day 18 (9/13/2023) Survey staked out stream boundary and hand tools (Photo 7). Curlex installed (Ph									
Post Construction Notes 17. Water did not recharge in post construction test pit; however, soils were saturated when examined. 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						
Tim Ferguson	A Jung	Potesta & Associates, Inc.	9/13/2023						

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	Time Sue, Aug 22, 20 + 007 980/81 / 400 2001 (e105 5h) Will Su Time Figure 10 - 5h Su S	22 at 00 20 20 at 00 20		Annual Annua			
GPS Lo	ocation	See Photo		GPS Location			
Desc	ription	View of permitted resource impact a pre-construction assessment.	rea during	Description	At edge of LOD, conditions during		cted resource area on assessment.
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GPS Lo	ocation	See Photo		GPS Location			
	ription	View of permitted resource impact a post-construction assessment.	rea during	Description	At edge of LOD, conditions during		cted resource area on assessment.
Chie A Poston Result Resolution Poston Resolution Resol	Time The Aver 2 is a constraint of t			Date 5 Time Into Ave 24 2 Pooline + 402 991076 4 Althoe 24006 214 31 Datom WC5 42 Althoe 2500 840 Elevation Angle - 130 Horzon	10 754737 (±10 5fi) W 5669mils True (±111)		
GPS Lo	ocation	See Photo		GPS Location	See Photo		
Desc	ription	Photo 1: Removal of wetland soil	at W-L16.	Description	Photo 2: Wetla area.	nd soil segreg	ated in upland

AFE 124300134	<b>FE</b> 124300134 <b>Date/Time</b>			8/22/2023 8:28 AM Report		
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GPS Location			GPS Location			
Description	Photo 3: Trenching through aqua	itic resources.	Description	Photo 4: Pipe lowered into a	quatic resources.	
Bate & Time 166. Se Photon 102797873 Ariyo e 22001 (2014) Datam Nucsel Azimuth Brance OFF 111 Eng Eng Angle 2017 Rozzi Angle 2017 Second 102 (2014) Montaly Value Phene Montaly Value Phene Second 102 (2014)			Andrew me ewo disk pro- security of the security of the security of the security of the security of the security of the security of the security of the securi			
<b>GPS</b> Location	See Photo		GPS Location	See Photo		
Description	Photo 5: Constructing trench brea	aks.	Description	Photo 6: Restoring Wetland	Soil.	
GPS Location	See Photo		Dur 2 miner wer Sen 12 Prestion 4007 19722 10 Armuti Berning 40 Berston Angle 204 Berston Angle 204 Be	DrSamue 20 pm DrSimue True (12) Remember 20 pm Remember 20 pm Reme		
		by band		See Photo Photo 8. Installing Curlex.		
Description	Photo 7. Distributing wetland soil	by nand.	Description	FINIO 6. Installing Curlex.		