	Mounta	ain /alley	Stream Biol	lo	gical Co	ndit	ions EA	Repo	rt
Project Name H-600 Pipeline			e Spread E	A	FE 124300134	1	Spread	H-600 Pipe	ine Spread E
	Contractor	Price Gregory	1				Report #	246	
Enviro	Invironmental Auditor Jessica Yeager Date/Time 9/20/2023 9:10 /							:10 AM	
Stream ID S-126			Crossing Start Date 9/26/2023 Crossing				ing Completion Date 10/6/2023		
Milepost 141.26			Pre-Con Assessment Da	sment Date 9/20/2023 Po		Post-	Con Assess	0/6/2023	
S	Station 7458+33		Bankfull Width (ft.)) 5.1 Riffle:Pool Complexes Pr		s Present?	No	
	State WV		Stream Classification		Intermittent	ermittent			
C	County Greenb	orier	303(d) Impairment Listi	ng	No				
	-1		Resource Post-Cro			ns			
1	Were all app	licable resou	rce specific crossing conditi	ons	s satisfied?				N/A
	Time of Year	^r Restrictions	(TOYR)? <u>N/A</u> Mussel	Re	location? <u>N</u>	Α			
2	This question	n is not applie	cable in WV.						
3	Which crossin Dam & Pump		ere utilized during the stream cr Cofferdam Convention				or more) irectional Drill	(HDD) Bore	
4	Was the top 1-foot (12-inches) of streambed substrate segregated and stockpiled separate from trench spoils?							Yes	
5								N/A	
6	Was the top 12-inches of backfill made with clean native stream substrate?							Yes	
7	Was the pre-construction survey data utilized during restoration in attempt to re-establish pre- construction contours?						Yes		
8	Were any field modifications to the stream implemented by project or regulatory personnel to address potential drainage or bank restoration limitations?						s No		
9	Were impervious trench breakers/plugs properly installed within 25-feet of top-of-bank to prevent subsurface erosion to or from the resource area?						Yes		
10	Was permanent seed and stabilization material (straw or matting) applied to riparian areas and stream banks prior to re-establishing flow to the impact area of the channel?						m _{Yes}		
11	Was the time of disturbance minimized by conducting resource work continuously to completion?						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	Are bareroot saplings required and/or scheduled to be planted for the dormant season (10/1 - 4/30)? N/A							N/A	
14	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		
15	Predominant Substrate Type (select one):Bedrock, Boulder (>10"), Cobble (2-10"), Gravel (0.1-2"), Sand (<0.1"), Mud/Silt/Clay						Cl Mud/Silt/Cl ay		
16	Channel Conditions:Rating: 1-Optimal (80-100% stable banks), 2-Sub-optimal (60-80% stable banks), 3- Marginal (40-60% stable banks), 4-Poor (20-40% stable banks), 5-Severe (0-20% stable banks, highly eroded or unvegetated banks 1						1		
17	Riparian Buffer Zone within ROW and ≤50 ft. from Stream Top-of-Bank: Rating: 1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetated coverage), 3-Marginal (<30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetated coverage, etc.)					3			

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	Biol	Pre-Con	Post-Con						
18	Instream Habitat Conditions depths, presence of woody/leafy deb shade protection, undercut banks, ro vegetation Rating: 1-Optimal (Habitat 30-50% of resource), 3-Marginal (Hab of resource)	s, in 1	4						
19	Channel Alterations:Example along banks, concrete/gabions/cond agricultural impacts Rating: 1-Negl channel alterations), 3-Moderate		3						
		Addition	al Notes						
Pre-Co Pre-Co Bank fu 15. Sul in the c Day 1(9 Upstrea	Pre-Construction Notes Pre-Construction Meeting (9/18/2023 @ 1300) Pre-Construction Completed (9/20/2023) Bank full width measured at OHWM takes at the centerline. Riparian corridor saturated on RDB. 15. Substrate type not evenly distributed throughout reach - predominant substrate likely a small particulate (sand) with mix of rock in the cobble range. Day 1(9/26/2023) Upstream dam put in place for flume. Stream substrate removed (Photo 1) and placed in upland area (Photo 2). Site prepared for								
Day 2 (blasting. Day 2 (9/27/2023) Blasting in resource area (Photo 3). Trenching through aquatic resource and adjacent riparian area (Photo 4).								
Activitie	Day 3 and Day 4 (9/28/2023 and 9/29/2023) Activities on-going outside of OHWM including trenching, hammering, placement of pipe upgradient of resource area, coating, welding, and x-ray.								
Began	Day 5 (9/30/2023) Began placing fill in some portions of trench outside aquatic resource. Pipe put in trench at aquatic resource crossing (Photo 5). Welding and x-ray completed on one end of the pipe.								
Work ir	Day 6 and Day 7 (10/2/2023 and 10/3/2023) Work in trench both inside and outside aquatic resource area included: placement of sandbags and dirt pillows, fitting pipe, cutting and welding, x-ray.								
X-ray c	Day 8 and Day 9 (10/4/2023 and 10/5/2023) X-ray completed (10/4/2023). Installed dirt pillows, trench breakers and backfilling in aquatic resource area (Photo 6) and in areas upgradient of resource. Restoration delayed due to survey availability.								
No flow restore	Day 10 (10/6/2023) No flow upgradient of aquatic resource. Buffer restored with segregated soil. Channel prepared and stream substrate was restored. Survey checked elevations. Contouring was completed using hand tools. Curlex and seeding was completed in buffer outside of OHWM. Resource fenced to reduce foot traffic while construction ongoing.								
Post Construction Notes 16., 17. 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. 19. Does not include timber mats that remain 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	C	Date			
Jessica	Yeager	Jessica Year	por	Potesta	10/6	6/2023			

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Required Photos						
A second se						
GPS Location			GPS Location			
Description	Downstream view of permitted impact pre-construction assessment.	ct area during	Description	Downstream view construction ass		l area during pre-
and of the second secon	rener and					
GPS Location			GPS Location			
Description	Downstream view of permitted impact post-construction assessment.	ct area during	Description	Downstream view construction ass		l area during post-
Duro Stimme, Turo Sepa 23, 2 Bostioni - 038 UR172, - 1 Dauge W05-84 Introduit / Bostrong, Mon Refo al valence Astlore - 002 Internet astlore - 002 Internet			All A Series and All All All All All All All All All Al			
GPS Location			GPS Location			
Description	Photo 1: Removal of stream subs	strate.	Description	Photo 2: Strear stored in uplan	n substrate se d area.	gregated and

AFE 124300134	4	Date/Time	9/20/2023 9:10 AN	1	Report # 246		
			I Photos				
Date & Time - Web, Sup 2, Assiston - 4088 019534 Altitude 2886 / 16249 etime Datum WS5-84 Arimuth/Bearing - 2018 Elevation Angle - 00.6 Zoom - 10X S-128 Moving pipe for blast MVP			A Deriver of Parameter Paramet	ALL IN YAYAUDA DISTON INDINI INTINA I			
GPS Location			GPS Location				
	Photo 3: Preparing to blast at aqu crossing.	latic resource	Description	Pnoto 4: Trenchir	ng through aquatic resource.		
A standard of the standard of			Date A time Wed Oct 02 22 Posicine - 038 01915 7-18 Antudie 202111, 10 711 Datum WOS 40 Antudie 202111, 10 711 Elevation Angle - 00 3 m Do Datum WOS 40 Antudie 202111 Income Angle - 00 3 m Do Datum WOS 40 Income Angle - 00				
GPS Location			GPS Location				
Description	Photo 5: Placement of pipe in aqu resource.	uatic	Description	Photo 6: Installing trench in aquatic	g trench breaks and backfilling resource area.		
Angelen 102 0 1131 - 70 Andre 298 11 - 703 41 Párum VIGS 42 Angula Angele 113 OX OX OX OX OX	22 al London e Disso Di 25 a Di 1 a la collette W. Columnis The Te della Disso		Altrude_224/error_Sin Dium W55.82 Deseth Baseng 015 N/5 Evalues Angle - 105 2/20m 1 00 5-1/2 cutter, placement				
GPS Location			GPS Location				
Description	Photo 7: Restoring riparian and st substrate.	tream	Description	Photo 8: Stream s Curlex outside of	survey and placement of OHWM.		