\	Moı	unta	ain /alley		S	Stream B	iolo	gi	cal Co	ndit	ions E	A	Report	
Project Name H-600 Pipeline				eline	e Spread F AFE 124300135			Spread	ΙН	H-600 Pipeline Spread F				
Contractor Price Gregory				gory							Report #	‡ 2:	26	
Enviror	Environmental Auditor Beth Burdette Date/Time 9/9/2023 8:11 F								PM					
Stream ID S-J5						Crossing Start Date 9/19/2023 Crossing Completion Date 10						on Date 10/	6/2023	
Milepost 172.86				Pre-Con Assessment Date 9/11/2023			Post-Con Assessment Date 10/			6/2023				
Station		9127+2	20		Bankfull Width		th (ft.)	16.	3	Riffle:Pool Complexes Present		Present?	No	
	State	WV			Stream Classification Perennial									
С	ounty	Summe	ers		303(d)	Impairment I	isting	No						
						esource Post				ons				
1	Were	all app	licable res	sour	ce speci	fic crossing co	ndition	s sa	atisfied?					N/A
ı	Time o	of Year	Restriction	ons ((TOYR)?	N/A Mus	sel Re	loc	ation? _ N	/A_				
2	This question is not applicable in WV.													
3	Which crossing methods were utilized during the stream crossing? (If so select one or more) Dam & Pump X Flume X Cofferdam Conventional Bore Horizontal Directional Drill (HDD) Bore													
4	Was the top 1-foot (12-inches) of streambed substrate segregated and stockpiled separate from trench spoils?							Yes						
5	Was excess material not needed for backfill removed and disposed of in an upland area?							Yes						
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?						See Below							
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?						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)?						No							
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							
Biological Conditions Pre-Con							Post-Con							
15		minant Mud/Silt		Тур	oe (select	one):Bedrock, E	Boulder (>10'	'), Cobble (2	-10"), Gra	avel (0.1-2"), Sa	and	Gravel (0.1-2")	Gravel (0.1-2")
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					4								
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.)					4								

MVP-ENV-14 REV 1 Page 1 of 4

AFE	124300135	Date/Time	9/9/2023 8:11 PM	Report	# 226	226	
	Pre-Con	Post-Con					
18	Instream Habitat Conditions: Examples: depths, presence of woody/leafy debris, stable su shade protection, undercut banks, root mats, Var vegetation Rating: 1-Optimal (Habitat conditions 30-50% of resource), 3-Marginal (Habitat condition of resource)	eddedness, ic conditions in	1	1			
19	Channel Alterations: Examples: Straighte along banks, concrete/gabions/concrete block, r agricultural impacts Rating: 1-Negligible (unalte channel alterations), 3-Moderate (40-80% of	manmade emba ered/natural stre	nkments, constrictions w/in channel, li am), 2-Minor (20-40% of resource dis	ivestock or rupted by	2	2	

Additional Notes

Pre-Construction Notes

Pre-Construction Meeting - 9/11/2023

*Bank full width measured at OHWM stakes within proposed trench area.

Flow present; travel lane was not included in assessment.

15., 19. Livestock activity noted within resource/banks/surrounding area. Cobble substrate; however, excessive sedimentation throughout reach due to livestock activity.

Day 1 (9/19/2023)

Dam was constructed in the resource. Lower dam was put in place once resource cleared. No aquatic life observed. Stream substrate removed and stored in upland area. Blasting occurred in upland and resource area. Trenching began in resource.

Day 2 and 3 (9/20/2023 and 9/21/2023)

Trenching, hammering and relay of soil occurred in and adjacent to resource area (Photo 3). Blasting occurred (9/21/023) and bedding was installed in the trench (Photo 4).

Day 4 (9/22/2023)

Pipe moved adjacent to resource area. Welding, coating, and x-ray completed. Pipe lowered into aquatic resource area (Photo 5).

Day 5 (9/23/2023)

Rain occurred in am. Activities included hammering, soil relay, and cutting/welding of pipe, all outside of the aquatic resource.

Day 6 (9/25/2023)

Placement of river weights and trench breakers installed (Photo 6). Trench was filled and stream substrate was placed in resource area. Survey confirmed stream contours (Photo 7). Banks were seeded (Photo 8) and Curlex installed. Flow was restored. Once flow was restored, some drainage to trench occurred. Hand tools were utilized to place stream material on RDB and then compacted until issue was resolved (no further seepage). Hand tools also utilized to define restored channel per pre-construction photos. Stream buffer within 10 feet of OHWM was not restored on one bank.

Day 7, Day 8, and Day 9 (9/26/2023-9/28/2023)

Blasting, welding and x-ray ongoing outside of resource. Minor stream rework (as per FERC) (9/28/2023). RDB riparian restoration (9/28/2023).

Day 10 to Day 15 (9/29/2023 - 10/5/2023)

Blasting, welding, x-ray and other construction activities ongoing outside of resource.

Day 16 (10/6/2023)

Riparian buffer on RDB restored including within 10 feet of OHWM.

Post Construction Notes

8. See Day 6 - Seepage addressed.

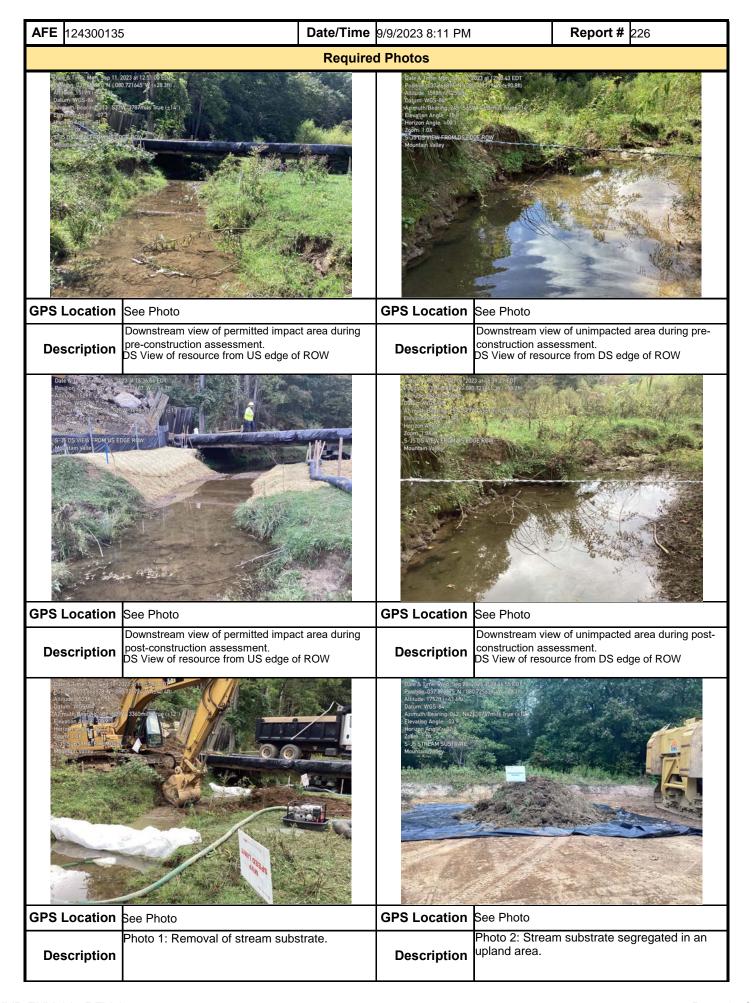
16., 17. Crossing and riparian areas have been recently restored. These areas will be monitored until 80% vegetative cover has been achieved and areas that no not have 80% vegetative cover within 30 days will be reseeded.

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	Date
Beth Burdette	0	POTESTA	10/6/2023

MVP-ENV-14 REV 1 Page 2 of 4



MVP-ENV-14 REV 1 Page 3 of 4

AFE 124300135	Date/1	Fime 9/9/2023 8:11 PM	Report # 226					
Optional Photos								
Altique 2-8 man 2-2 m Baum Wos 202 Aumuth Bharing 116-5 kg Elevation Anglic 108-6 Hoseon Anglic 108-6 Zoom 10X S-JS MARKED DRILL HOLE Mountain Valley	E 2042mis Tuori 27	Date of the state	TRAPE					
GPS Location		GPS Location						
Description	Photo 3: Trench through aquatic resource	Description	Photo 4: Bedding placed in trench in aqui resource.	atic				
Defendent 2 de general 2 de gen		Date & Time: Mon. Sep 25. Position. 037 &67023 N / 08 Altitude. 1529ft (±24 4ft) Datum: WGS-84 & Azimuth - 024* 0427mils (Elevation Angle: +6 5* Horzshinnight / 9 8 Zoom / 10 X S JS INSTALL 10E NOT 6R Mointiple (2016)	DAKERS AND BEDINING					
GPS Location		GPS Location	1					
Description	Photo 5: Lowering pipe into aquatic resou	Description	Photo 6. River weights and trench break installed in aquatic resource area.	S				
Date (Immedia) or Provide International Control of the Control of		Childran Weight Children Child						
GPS Location	See Photo	GPS Location	See Photo					
Description	Photo 7: Substrate restoration and survey	Description	Photo 8: Seeding of banks.					

MVP-ENV-14 REV 1 Page 4 of 4