	Mounta	ain /alley	Stream Biol	0	gical Co	ndit	ions EA	Repor	t
Ρ	roject Name	H-600 Pipelir	ne Spread F	A	FE 124300135	5	Spread	H-600 Pipeli	ne Spread F
	Contractor Price Gregory		y .				Report #	360	
Enviro	Invironmental Auditor Elyse Johnston Date/Time 11/16/2023 8					:46 AM			
Stre	eam ID _{S-E43}		Crossing Start Da	Crossing Start Date 11/17/2023 Crossing Completion Date				tion Date 12	2/14/2023
Milepost 191.60			Pre-Con Assessment Da	Date 11/15/2023 Post-		-Con Assessment Date 12/		2/14/2023	
S	Station 10116+48		Bankfull Width (ft.)	7.0	Riffle:Pool Complexes Present?		No	
	State₩V		Stream Classification		Ephemeral				
C	County Monroe	9	303(d) Impairment Listi	ng	No				
			Resource Post-Cro	oss	ing Conditio	ns			
1	Were all app	licable reso	urce specific crossing conditi	ons	s satisfied?				N/A
1	Time of Year	Restriction	s (TOYR)? <u>N/A</u> Mussel	Re	location?N/	<u>A</u>			
2	This question	n is not appli	cable in WV.						
3	Which crossin Dam & Pump	g methods w │ Flume 〉	ere utilized during the stream contraction of the stream convention of				or more) Pirectional 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	l ar	nd disposed o	f in an	upland area?		Yes
6	· ·		f backfill made with clean na						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?						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						ר Yes		
11	Was the time	e of disturba	nce minimized by conducting	g re	source work	continu	iously to com	pletion?	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 red	quired and/or scheduled to b	e p	lanted for the	dorma	nt season (10	0/1 - 4/30)?	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		
			Biological Condition					Pre-Co	
15	Predominant (<0.1"), Mud/Silt		ype (select one):Bedrock, Bould	er (>10"), Cobble (2-	10"), Gra	avel (0.1-2"), Sar	nd Mud/Silt/0 ay	CI Mud/Silt/CI 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 2 unvegetated banks 2						2		
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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	Biological Conditions Continued							
18	Instream Habitat Conditions:Examples: Varied substrate sizes, varied combination of water velocities & depths, presence of woody/leafy debris, stable substrate with low amount of mobile particles, low embeddedness, shade protection, undercut banks, root mats, Varied combination of water velocities, submerged aquatic vegetation Rating: 1-Optimal (Habitat conditions present in >50% of resource), 2-Suboptimal (Habitat conditions in 0-30% of resource), 4-Poor (Habitat conditions in 0-10% of resource)							
19	along banks, concrete/gabions/conc agricultural impacts Rating: 1-Neg	Channel Alterations:Examples: Straightened channel, non-MVP stream crossings, non-native riprap/rock along banks, concrete/gabions/concrete block, manmade embankments, constrictions w/in channel, livestock or agricultural impacts Rating: 1-Negligible (unaltered/natural stream), 2-Minor (20-40% of resource disrupted by channel alterations), 3-Moderate (40-80% of resource disrupted), 4-Severe (>80% of resource disrupted) 1 3						
		Additional Notes						
Pre-Co Must m Tributa 11/17/2 set up surface 11/18/2 11/20/2 11/20/2 11/21/2 11/22/2 to the r 11/24/2 11/25/2 remain 11/26/2 buffer 1 11/27/2 backfill 11/27/2 for pad 11/30/2 12/1/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/2(1 2/2/20 Flume 12/4/20 Flume 12/4/20 Flume 12/4/20 Flume 12/4/20 Flume 12/4/20 Flume 12/4/20 Flume 12/4/20 Flume 12/4/20 Flume 12/4/20 Flume 12/2/20 Flume 12/4/20 Flume 12/2/20 Flume F								
resources during all construction activity related to waterbody and wetland crossings, and document instream conditions and any impacts to the resources.								
	Name	Signature	Company	Da	te			
Elyse J	ohnston	101 Albertyle	RM	12/14/	2023			

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				ed Photos				
	te a time Wer New 15 tion - 1037/25305 to tion - 1037/25305 to tion - 1037/25305 to tion - 1037/25305 to tion - 1037 to tion -	and and a set of the s		Date & Time Weel (Nov) IS Position - 037/45798 Antique 2039 1-36 di Datum WGS-84 Arimoth Bearing 201-32 Elevation Angle - 201-3 Horzenzange - 101-3 Horzenzange - 101-	080.664511 (= 17.8ft)			
GPS L	ocation	See Photo		GPS Location				
Des	scription	Downstream view of permitted impact pre-construction assessment.	ct area during	Description	Downstream view construction asse		l area during pre-	
가는 관려 가지 않는 도구 아이지. 이 아이지 않는 것은 것이 아이지 않는	and the second s							
GPS L	ocation	See Photo		GPS Location	See Photo			
Des	scription	Downstream view of permitted impact post-construction assessment.	ct area during	Description	Downstream view construction asse		l area during post-	
an An Di Az Ec Ho Zoc	In STIME FIT. No. 122 alton - 007 453195 (Inter 2044) 142 muth Bearna 045 40 muth Bearna 045 10 muth Bearna	C80564367 1±40.5h		Anthle Jeodance and Anthle Jeodance Job Armoth Bearing 200 NA direction Argon - 104 Beam 120 Bearing 200 PEN	B0.06/219 1:9/ 110 OW 5687mils/frue/fraz2:			
GPS L	ocation			GPS Location				
Des	scription	Photo 1: Excavating top 12 inche	s of substrate.	Description	Photo 2: Soil fro	om buffer rem	oved.	

AFE 12430013	124300135 Date/Time			M Report # 3	360		
		Optiona	I Photos				
Date 3-time Wed New Pasihon - 037-03297 Altride-2087 - 530-bh Datum WCS - 8- Armun Bearing - 510 - 6-10-10-10-10-10-10-10-10-10-10-10-10-10-			Dark s. time. West store of an one apply store of apply store of appl	Adda na og fungs og sages i us of na Wiresermio i nav ere hure			
GPS Location			GPS Location				
Description	Photo 3: Excavating trench.		Description	Photo 4: Pipe in place in trench resources and flume being res			
Position 1037 453700 12 Antrude 2024 125001 Darum 1055 45 Antrude 2024 125001 Darum 1055 45 Antrudh Bearing 227-24 Elevation Angles 40.3 Zober 102 Trenchtlink aker installation 707 15 EU3 5 EU3	2004 - 10 - 20 - 20 - 20 - 20 - 20 - 20 - 20						
GPS Location			GPS Location				
Description	Photo 5: Trench breaker installec	I.	Description	Photo 6: Padding material add aquatic resource area.	ed to trench in		
Transcription the Transcription the Transcription that Placing stream bank soll WVP 5-E43 S-E45			entropy of the second s	e reducer e reducer e reducer e red			
GPS Location		oddod	GPS Location		otiona		
Description	Photo 7: Substrate and bank soil		Description	Photo 8: Survey checking elev	auons.		