Stream Biological Conditions EA Report									
Project Name H-600 Pipeline			e Spread C	Spread C AFE 124300131			Spread	H-600 Pipelin	e Spread C
Contractor Precision					•		Report #	289	
Enviro	Invironmental Auditor Scott Wessel Date/Time 10/10/2023 6:						02 AM		
Stream ID S-A93			Crossing Start Da	Crossing Start Date 10/10/2023 Crossing Completion Date 10				tion Date 10,	/13/2023
Milepost 92.60			Pre-Con Assessment Da	ate 9/18/2023 Post-Con Assessment Date 10			/13/2023		
Station 4889+36		36	Bankfull Width (ft.)	.) 8.0 Riffle:Pool Complexes Present?			es Present?	No
	State₩V		Stream Classification		Ephemeral				
C	County Webste	er	303(d) Impairment Listi	ng	No				
	· · · · · · · · · · · · · · · · · · ·		Resource Post-Cro	oss	ing Conditio	ons			
1	Were all app	licable resol	rce specific crossing conditi	ons	s satisfied?				N/A
	Time of Year	Restrictions	(TOYR)? <u>N/A</u> Mussel	Rel	ocation? <u>N</u> /	<u>A</u>			-
2	This question	n is not appli	cable in WV.						
3	Which crossin Dam & Pump	g methods we	ere utilized during the stream concerned of the stream convention of th				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							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?						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?						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		
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			
	1-		Biological Condition					Pre-Con	Post-Con
15	Predominant Substrate Type (select one):Bedrock, Boulder (>10"), Cobble (2-10"), Gravel (0.1-2"), Sand (<0.1")					Sand (<0.1")			
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.)						4		

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	Biolo	gical Conditions Continued			Pre-Con	Post-Con				
18	velocities & eddedness, ic conditions in a in 0-10%	1	4							
19	along banks, concrete/gabions/concre agricultural impacts Rating: 1-Neglig	s: Straightened channel, non-MVP strea ete block, manmade embankments, cor gible (unaltered/natural stream), 2-Minor (40-80% of resource disrupted), 4-Seve	nstrictions w/in channel, l (20-40% of resource dis	ivestock or rupted by	1	1				
	Additional Notes									
The to remove 10/11/2 (GAS) 10/12/2 Bentor operat 10/13/2 banks, survey and en										
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	Compar	ıy	Da	ate				
Scott V	Vessel	Stt Wan	SWCA		10/13	/2023				

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·		Require	ed Photos				
GPS Location	See GPS in above photo.		GPS Location	See GPS in ab	ove photo.		
Description	Downstream view of permitted impact pre-construction assessment.	ct area during	Description	Downstream vie construction ass		l area during pre-	
	Received of the second of the						
GPS Location	See GPS in above photo.		GPS Location				
Description	Downstream view of permitted impact post-construction assessment.	ct area during	Description	construction ass		l area during post-	
			10 4	UTITIZEZO 10-4405- BS 658074.00 559533 M/S ADSIGUESTRY			
GPS Location	See GPS in above photo.		GPS Location	See GPS in ab	ove photo.		
Description	Removing topsoil and substrate r streams S-A93.	naterial for	Description	Substrate mate sacks.	erial being seg	regated into super	

AFE 12430013	4300131 Date/Time		10/10/2023 6:02 AM		Report #	289	
			al Photos				
GPS Location	See GPS in above photo.		GPS Location				
Description	Trenching preparations for strean installed.	n section to be	Description	Pipe being low	ered into ditch	for stream S-A93.	
	SA 6560 CONSISTENT CONSISTEN						
GPS Location	See GPS in above photo.		GPS Location	See GPS in ab	ove photo.		
Description	Trench breaker being installed wi high water mark on the CIS of S-,	ithin 25 feet of A93.	Description	CIS of S-A93.	kfilling buffer z	one area on the	
	Algenrasti			The ACCESS of the On 13 to Except and the Statistical Statistica Statistical Statistical Statis			
GPS Location	See GPS in above photo.		GPS Location	See GPS in ab	ove photo.		
Description	Adding substrate material back to S-A93.	o stream	Description	Contractor usin restoration effo	g erosion cont	rol blanket for of S-A93.	