

Wetland Biological Conditions EA Report

Project Name			ne Spread D				Sproad	Ц 60	0 Dipolino	Sprood D	
Contractor		Precision	Spreau D		124300132	-	Report #	40		Spieau D	
		Alex Miller					Date/Time	9/6/2	9/6/2023 7:47 AM		
Wetland ID W-U51			Crossing Start D	ate 8/	15/2023	Cros	sing Comple	tion	Date 8/27	7/2023	
Milepost 111.59				Pre-Con Assessment Date 8/8/2023 Post-Con Assessment Date 8/8/2023						7/2023	
Station 5891+95		95	Cowardin Classification PEM			Wetland Impact Area(acres)0.0				410	
	State	wv								,	
CountyNicholas											
Resource Post-Crossing Conditions											
1	Were equipment mats or other suitable methods utilized under heavy equipment to minimize soil compaction and disturbance in wetlands?								N/A		
2	Was tl	ne exis	sting vegetatic	n removed prior to initiatin	g land	disturbanc	e withi	n the resourc	e?		Yes
3	Was tl	ne top	1-foot (12-inc	hes) of wetland soil segreg	ated	and stockpi	iled sep	parate from tr	rench	spoils?	Yes
4	Was e	xcess	material not r	needed for backfill removed	d and	disposed o	f in an	upland area?)		Yes
5	Was tl	ne top	12-inches of I	packfill made with clean na	tive w	etland tops	oil?				Yes
6	Were matter	standa [.] into th	ard decompac ne topsoil hori	tion practices (disking, plov zon) implemented prior to a	ving, o applyi	cultivating, ng seed?	tilling, d	or incorporation	on of	organic	Yes
7	Was w	vetland	topsoil repla	ced and temporarily seede	d?						Yes
8	Was p	erman	nent seed app	lied to unsaturated wetland	ls?						Yes
9	Was equipment/timber matting removed from the wetland area properly by vertically lifting, and not pulling through the impact area?							N/A			
10	Were impervious trench breakers/plugs properly installed within 25-feet of the resource to prevent subsurface erosion to or from the resource area?						Yes				
11	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	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	Was the time of disturbance minimized by conducting resource work continuously to completion?						Yes				
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	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						Pre-Con	Post-Con			
17	Wetla present	nd Sat ? (Selec	t uration: Are s ct Yes or No)	urface waters, the water table, a	nd/or ov	/erall soil satu	iration			Yes	Yes
18	Resou haul roa Rating Moderat	irce A ids, farm g: 1-Neg te (40-80	Iterations: Are n traffic, drain tile gligible (undisturk 0% of resource d	e the wetland soil conditions visib s, recent mowing/clear cutting, re bed/natural resource), 2-Minor (20 isturbed), 4-Poor (>80% of resou	ly distu ecent ex)-40% d rce dist	rbed? Exam ccavating/disk of resource dis turbed)	iples: I ing of sc sturbed I	_ivestock preser ils, etc. by alterations), 3	nce, 3-	1	4
19	Is veg Con)A Rating Margina vegetati	etatio Tre are g:1-Opti Il (<30% Ve cove	n present wit eas properly s imal (60-100% he o vegetative cover rage, etc.)	thin the permitted impact seeded and stabilized aft eavy vegetative cover), 2-Sub-opt rage), 4-Poor (Mowed/maintained	area er res imal (3 I area c	prior to di toration? 0-60% mixed or farmland, in	sturba (Post-(vegetati nperviou	nce? (Pre- Con) ve coverage), 3- s area, sparsely		1	4

AFE	124300132	Date/Time	9/6/2023 7:47	AM	Report	# 4 0		
		Additior	nal Notes			I		
A 24" flume pipe was utilized for overnight flow throughout the crossing of S-IJ57 and dewatering of the trench was conducted as needed throughout the crossing.								
08/15/2 3-inch the sup	08/15/2023 - Prior to construction entering the 10ft buffer of W-IJ51, stream-crossing S-IJ57 was dammed with sandbags and a 3-inch electric pump around was installed. The top 12" of the wetland substrate for W-IJ51 was excavated and stockpiled next to the super sacks of stream substrate. Excavation of the trench commenced.							
08/16/2 of the t to start	08/16/2023 - A rain event delayed construction in the morning, and dewatering of the trench was required. The coming in-side CIS of the trench excavation was completed and a segment of pipe was lowered in later in the day. Welders started preparing the pipe to start welding the following day. The contractor started excavating the going away side (GAS) of the trench.							
08/172 underv	08/172023 - Welding commenced in the morning on the coming inside and continued throughout the afternoon. W-IJ51 and S-IJ57 underwent a DEP inspection in the early afternoon; all portions of W-IJ51 were up to code.							
08/18/2 welding	08/18/2023 - The contractor finished excavating of the trench on the GAS of the crossing and a segment of pipe was lowered in for welding to commence.							
08/19/2 throug	08/19/2023 - More excavation was needed on the GAS, which continued throughout the day. Welding operations continued throughout the day on the GAS.							
08/21/2 of the p	2023 - Binding engineers were onsite to provide the provided the send of the day.	to reconfigure a segm	nented pipe for	the GAS. Three we	lds were co	ompleted on the GAS		
08/22/2	2023 - Alex Miller took over crossing a	is EA. The welders ha	ad to perform a	cutout and welding	continued	throughout the day.		
08/23/2	2023 - Welding operations continued t	hroughout the day.						
08/24/2 using a	2023 - Welding, X-ray, and coating of t and sifting bucket on the excavator.	the pipe were comple	ted today. Back	filling of the trench	n started w	ith padding the pipe		
08/25/2	2023 -No work was done on the cross	ing due to a rain out ε	event.					
08/26/2 25ft. of	23 -The contractor continued to pad th the wetland boundaries. Subsoil was	le pipe using a sifting replaced between the	bucket on an e e high marks to	xcavator. Trench b within 12" from sur	reakers we face.	re installed within		
08/27/2 prior to The we Super	08/27/23 - The contractor completed the backfill of the wetland subsoil, removed the 24" flume and re-established the pump-around prior to replacing the wetland (W-IJ51) and stream (S-IJ57) topsoil to the surveyor specifications. The wetland was seeded, and jute was placed on the steeper sloped areas. Super silt fence was placed at the wetland boundary and curlex was placed upslope of wetland boundary.							
Conditions 18 and 19 were given a rating of 4 due to the lack of vegetation in the disturbed permitted impact area following completion of the crossing and restoration efforts. The W-IJ51 PEM topsoils have been properly stabilized and the disturbed area has been seeded with the appropriate permanent seed mix in accordance with Appendix B: Restoration Work Plan of the Mountain Valley Pipeline Comprehensive Stream and Wetland Monitoring, Restoration and Mitigation Framework.								
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	9	Compan	у	Date		
Alex M	iller	ally Mell		SWCA		8/27/2023		

AFE 124300132	2	Date/Time	9/6/2023 7:47 AM	Report # 40				
		Require	d Photos					
8/15/23 7:58 +38.3524N -8 128° SE W-IJ51 (Pre_C	AM 30.6364W CC)		8/15/23 8:02 125° SE W-IJ51 (Pre_C	AM CC)				
GPS Location	See Photo	•	GPS Location	38.3519, -80.6360				
Description	View of permitted resource impact a pre-construction assessment. View of wetland W-IJ51 prior to cons from bridge.	area during	Description	At edge of LOD, view of unimpacted resource area conditions during pre-construction assessment. View of unpermitted area of outside LOD. Taken fro coming-in side of wetland.				
8/27/23 5: +38.3524N 119° SE W-IJ51 (Po	16 PM I-80.6363W pst-AM)f		8/29/23 12 +38.3523N 156° SE W-IJ51 (Po	2:58 PM I-80.6362W st-AM)				
GPS Location	See Photo		GPS Location	See Photo				
Description	View of permitted resource impact a post-construction assessment. View of wetland W-IJ51 after constru- completed. Taken from bridge.	area during Iction was	Description	At edge of LOD, view of unimpacted resource area conditions during post-construction assessment. View of unpermitted area outside of LOD. Taken from going away side of wetland at edge of LOD.				
8/26/23 3: +38.3523N 258° W W-IJ51 (D	06 PM I-80.6364W ur-AM)		8/26/23 5: +38.3526N 231° SW W-IJ51 (Du	55 PM -80.6339W ur-AM)				
GPS Location	See Photo		GPS Location	See Photo				
Description	Trench breaker installed on the g side of the crossing inside the 25	going away 5 ft buffer.	Description	View of wetland crossing from coming-in side after backfilling has been finished and prior to replacement of wetland topsoil.				

AFE 124300132			Date/Time	Date/Time 9/6/2023 7:47 AM			Report # 40		
			l Photos						
Insert image here				Insert image here					
GPS Locatio	on			GPS Location					
Descriptio	on			Description					
		Insert image here			Insert im	age here			
GPS Locatio	on			GPS Location					
Descriptio	on			Description					
		Insert image here			Insert im	age here			
GPS Locatio	on			GPS Location					
Descriptio	on			Description					