



Wetland Biological Conditions EA Report

Project Name	H-600 Pipeline Spread F	A/E	124300135	Spread	H-600 Pipeline Spread F
Contractor	Price Gregory	Report #	154		
Environmental Auditor	Eric Schicker			Date/Time	12/14/2023 11:33 AM
Wetland ID	W-CV25-PSS-1	Crossing Start Date	12/14/2023	Crossing Completion Date	12/22/2023
Milepost	191.09	Pre-Con Assessment Date	11/30/2023	Post-Con Assessment Date	12/22/2023
Station	10089+53	Cowardin Classification	PSS	Wetland Impact Area(acres)	0.0270
State	WV				
County	Monroe				

Resource Post-Crossing Conditions

1	Were equipment mats or other suitable methods utilized under heavy equipment to minimize soil compaction and disturbance in wetlands?	Yes
2	Was the existing vegetation removed prior to initiating land disturbance within the resource?	Yes
3	Was the top 1-foot (12-inches) of wetland soil segregated and stockpiled separate from trench spoils?	Yes
4	Was excess material not needed for backfill removed and disposed of in an upland area?	Yes
5	Was the top 12-inches of backfill made with clean native wetland topsoil?	Yes
6	Were standard decompaction practices (disking, plowing, cultivating, tilling, or incorporation of organic matter into the topsoil horizon) implemented prior to applying seed?	Yes
7	Was wetland topsoil replaced and temporarily seeded?	Yes
8	Was permanent seed applied to unsaturated wetlands?	Yes
9	Was equipment/timber matting removed from the wetland area properly by vertically lifting, and not pulling through the impact area?	Yes
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		Post-Con
17	Wetland Saturation: Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)	No		No
18	Resource Alterations: Are the wetland soil conditions visibly disturbed? Examples: Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc. Rating: 1-Negligible (undisturbed/natural resource), 2-Minor (20-40% of resource disturbed by alterations), 3-Moderate (40-80% of resource disturbed), 4-Poor (>80% of resource disturbed)	1		3
19	Is vegetation present within the permitted impact area prior to disturbance? (Pre-Con) Are areas properly seeded and stabilized after restoration? (Post-Con) Rating: 1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetative coverage), 3-Marginal (<30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetative coverage, etc.)	2		1

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Additional Notes

Pre-Construction Notes
 Pre-Construction Meeting - 11/28/2023
 17. Test pit augured - saturated soil and resurgence observed.

12/14/2023 - Timber mats placed in resource and substrate removed (Photo 1). Marooka used to relay substrate to containment area for segregation in upland area. Began to excavate trench through aquatic resource and hammer used to breakup bedrock (Photo 2). Spoil removed and relayed to upland area.

12/15/2023 - Hammered bedrock and spoil removed. Spoil relayed to upland area. Trench through resource completed (Photo 3).

12/16/2023 - Fixed P1 around border of resource area that was removed prior to trenching. No other work in resource.

12/18/2023 - Water pumped from trench. Sandbags added to trench for pipe padding.

12/19/2023 - Water pumped from trench. Pipe section transported to and set in trench (Photo 4).


12/20/2023 - Water pumped from trench. Alignment and welding of pipe section transported previous day. Final pipe section set in trench and welded. X-ray performed first weld.

12/21/2023 - Water pumped from trench. X-ray performed. Holiday detection, sandblasting and coating of welds ongoing. One trench breaker installed (Photo 5) and backfilling of trench.

12/22/2023 - Pipe weld coating completed. Trench breaker completed. Backfilled (Photo 6). Wetland topsoil restored (Photo 7). Surveyed. Surfaces contoured and resurveyed (Photo 8). Wetland seeded. Jute added to stabilize wetland area. P1 fence installed/repaired.

Post Construction Notes
 17. Saturated soils.
 19. Crossing has recently been restored. These areas will be monitored until 80% vegetative cover is achieved. Areas that do not have 80% vegetative cover within 30 days will be reseeded.
 Timber mat bridge remains 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
Eric Schicker		Potesta	12/22/2023

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Required Photos			
			
			
			
			
			
			

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Optional Photos

			
GPS Location	See Photo	GPS Location	See Photo
Description	Photo 3: Excavating through aquatic resource area.	Description	Photo 4: Pipe lowered into trench in aquatic resource area.
			
GPS Location	See Photo	GPS Location	See Photo
Description	Photo 5: Began constructing trench breakers.	Description	Photo 6: Backfilling aquatic resource area.
			
GPS Location	See Photo	GPS Location	See Photo
Description	Photo 7: Restoring topsoil.	Description	Photo 8: Survey shooting topsoil elevations.