

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-C12-PEM	Crossing Start Date: 09/13/2023	Crossing Completion Date: 10/02/2023
Milepost: 229.4	Pre-Con Assessment Date: 09/11/2023	Post-Con Assessment Date: 10/02/2023
Station: 12120+52	Cowardin Classification: PEM (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 8999.5
County: Montgomery		

Item #	Resource Crossing Conditions	N/A	YES	NO
1.	Were equipment mats or other suitable methods utilized under heavy equipment to minimize soil compaction and disturbance in wetlands?		X	
2.	Was the existing vegetation removed prior to initiating land disturbance within the resource?		X	
3.	Was the top 1-foot (12-inches) of wetland soil segregated and stockpiled separate from trench spoils?		X	
4.	Was excess material not needed for backfill removed and disposed of in an upland area?		X	
5.	Was the top 12-inches of backfill made with clean native wetland topsoil?		X	
6.	Were standard decompaction practices (disking, plowing, cultivating, tilling, or incorporation of organic matter into the topsoil horizon) implemented prior to applying seed?		X	
7.	Was wetland topsoil replaced and temporarily seeded?		X	
8.	Was permanent seed applied to unsaturated wetlands?		X	
9.	Was equipment/timber matting removed from the wetland area properly by vertically lifting, and not pulling through the impact area.		X	
10.	Were impervious trench breakers/plugs properly installed within 25-feet of the resource to prevent subsurface erosion to or from the resource area?		X	
11.	Was the pre-construction survey data provided and 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?		X	
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?		X	
13.	Was the time of disturbance minimized by conducting resource work continuously to completion?		X	
14.	Does the post-construction square footage of wetland area appear to be restored to meet or exceed the pre-construction area square footage?		X	
15.	Are bareroot saplings required and/or scheduled to be planted for the dormant season (10/1 – 4/30) in PFO classified wetlands?	X		
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.			X

Item #	Biological Conditions	Pre-Con	Post-Con
17.	Wetland Saturation: <i>Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)</i>	Yes	Yes
18.	Resource Alterations: Are the wetland soil conditions visibly disturbed? Examples: <i>Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.</i> Rating: <i>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)</i>	1 - Negligible	1 - Negligible
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: <i>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.)</i>	2 - Suboptimal	2 - Suboptimal

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Comments/Remarks

El on-site is Dylan Hooper. This resource is being crossed in conjunction with S-C36, W-C11, and W-C12.

9/11/2023- Pre con meeting and pre con assessment. - S. Frost

9/13-14/2023- No work in the resource has started. -B. Fantauzzi.

9/15/2023- Laying timber mats for access on resource. Trenched up to resource. Excess water so they stopped digging. Prepping work site for dewatering. -B. Fantauzzi

9/16/2023- No active work within resource. Site walk through with project geologist. -B. Fantauzzi

9/18/2023- No work in the resources. Stripping topsoil from upland areas. -B. Fantauzzi

9/19/2023- Wetland topsoil removed and segregated, trenching started. -B. Fantauzzi

9/20/2023- Trench box installed for trench stability/safety and to assist with crossings. -B. Fantauzzi

9/21/2023- Trenching continues through wetlands and stream. Flume added to S-C36 for secondary protection along with pumping operation. Dewatering structure expanded. - S. Frost

9/22/2023- Trenching completed. Pipe lowered into trench. Welding started. - S. Frost

9/23/2023- Rain out. No work in the resources. - S. Frost

9/24/2023- X-RAY on GAS. Welding started on CIS. - S. Frost

9/25/2023- Weld completed on CIS. X-ray, coated, and jeep tested. - S. Frost

9/26/2023- Prepping for trench breaker installation. Haul out equipment to provide space for next task. - S. Frost

9/27/2023- Rain out. No work in the resources. - S. Frost

9/28/2023- Partial trench breakers and backfilling started. - S. Frost

9/29/2023- Sub soil backfill completed. Removing timber mats and geotextile fabric from wetlands. - S. Frost

9/30/2023- Remaining timber mats removed from wetland. Prepping for restoration. Restoration began at 3pm by backfilling with topsoil. - S. Frost

10/1/2023- Wetland topsoil restored. ECDs put in place. Prepping for seeding on 10/2/2023. - S. Frost

10/2/2023- Clean up of site. Seeding completed in wetlands and stream. Post con assessment completed. - S. Frost

In accordance with the Mountain Valley Pipeline Consent Decree, dated October 11, 2019, 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.

<i>This report was written by</i>	Summer Frost <hr style="width: 80%; margin: 0 auto;"/> <i>Print Name</i>	 <hr style="width: 80%; margin: 0 auto;"/> <i>Signature</i>	10/02/2023 <hr style="width: 80%; margin: 0 auto;"/> <i>Date</i>
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Required Photos



Photo Description: View of permitted resource impact area during pre-construction assessment.



Photo Description: At edge of LOD, view of unpermitted resource area conditions during pre-construction assessment.



Photo Description: View of permitted resource impact area during post-construction assessment.



Photo Description: At edge of LOD, view of unpermitted resource area conditions during post-construction assessment.

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Optional Additional Photos



Photo Description: Wetland top soil removal.



Photo Description: Trench breakers within 25 of the resources.



Photo Description: Top soil restoration of wetland.

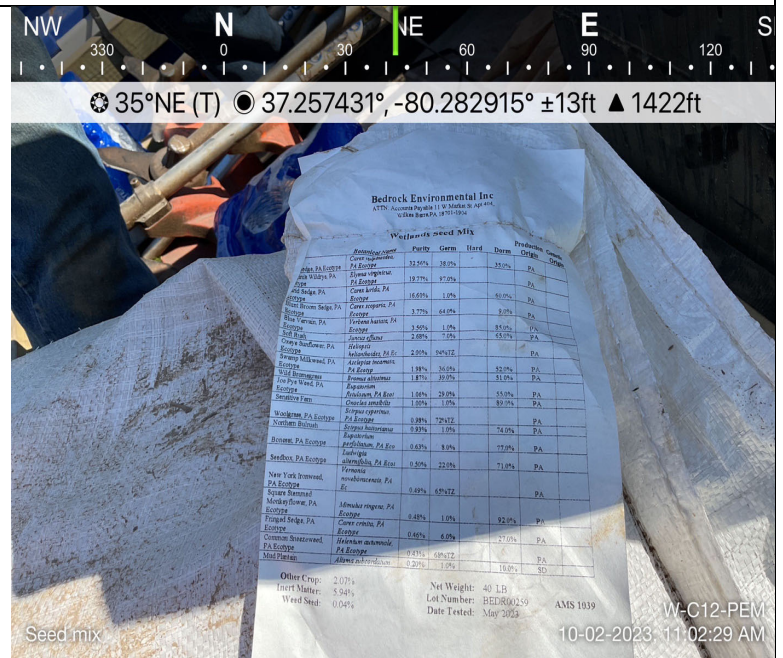


Photo Description: Seed tag for wetlands mixed with temporary rye seed.