

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-C11	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: 12122+02	Cowardin Classification: PSS (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 2008.12
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.

9/11/2023- Pre con meeting and auditor assessment. This crossing is in conjunction with resources S-C36, W-C12, & W-C12-PEM. -S. Frost

9/13/2023 through 9/14/2023- job idle/prepping. -B. Fantauzzi

9/15/2023: Small portion (1-2ft) of wetland material from permitted area collapsed into bell hole. The material was retrieve and segregated from other materials. The segregated material is stored on mats and labeled. Backfill material was put back in the bell hole to prevent further collapse. No impacts to biologic conditions. - T. Cullop

9/18/2023 Idle worksite due to excess water in resource area. Stripping topsoil scheduled for 9-20-2023. -B. Fantauzzi

9/19/2023: Trench box installed for trench stability/safety at W-C12-PEM to assist with crossings. -B. Fantauzzi

9/20/2023: Stripped edge of wetlands to avoid topsoil from falling into trench. Stockpiled separately from subsoil. -B. Fantauzzi

9/21/2023: Trenching through wetlands and stream. Flume added 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 breakers. repping for trench breaker installation. Hauled away equipment to make room in the working area. - S. Frost

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

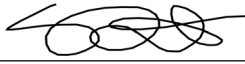
9/28/2023: Partial trench breakers and backfill of subsoil started. - S. Frost

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

10/1/2023: Wetland topsoil restored. ECDs put in place. Seeding will be put down 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 <i>Print Name</i>	 <i>Signature</i>	10/02/2023 <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: Top soil removal in wetland.



Photo Description: Trenching through resources.



Photo Description: Trench breakers installed within 25 ft of resources.

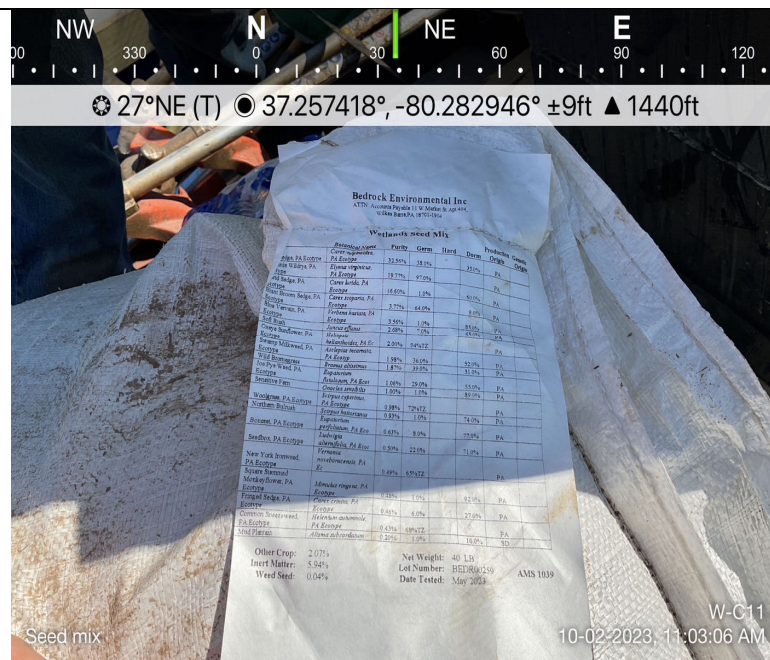


Photo Description: Wetland seed mix tag.