

# WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



<b>Wetland ID:</b> W-C12	<b>Crossing Start Date:</b> 09/13/2023	<b>Crossing Completion Date:</b> 10/02/2023
<b>Milepost:</b> 229.4	<b>Pre-Con Assessment Date:</b> 09/11/2023	<b>Post-Con Assessment Date:</b> 10/02/2023
<b>Station:</b> 12121+33	<b>Cowardin Classification:</b> PFO (PEM, PFO, PSS, POW)	<b>Wetland Impact Area (sq ft.):</b> 2278.19
<b>County:</b> 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.	<b>Wetland Saturation:</b> <i>Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)</i>	Yes	Yes
18.	<b>Resource Alterations: Are the wetland soil conditions visibly disturbed?</b> <b>Examples:</b> <i>Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.</i> <b>Rating:</b> <i>1-Negligible (undisturbed/natural resource), 2-Minor (20-40% of resource disturbed by alterations), 3-Moderate (40-80% of resource disturbed), 4-Poor (&gt;80% of resource disturbed)</i>	1 - Negligible	1 - Negligible
19.	<b>Is vegetation present within the permitted impact area prior to disturbance? (Pre-Con)</b> <b>Are areas properly seeded and stabilized after restoration? (Post-Con)</b> <b>Rating:</b> <i>1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetative coverage), 3-Marginal (&lt;30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetative coverage, etc.)</i>	2 - Suboptimal	2 - Suboptimal

# WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



## Comments/Remarks

El on-site is Dylan Hooper.

9/11/2023- Pre-con meeting and pre-con auditor assessment. This crossing is in conjunction with resources S-C36, W-C11, and W-C12-PEM. - S. Frost

9/13-16/2023- Visit to site. No work started in the resource. Job idle/prepping. - B. Fantauzzi

9/18/2023- Stripping topsoil in wetland. Soil segregated and stockpiled separately. -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- Topsoil from resource removed and documented, trenching started through resources. -B. Fantauzzi

9/21/2023- Trenching 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 and the pipe was lowered into the 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. Hauled off equipment to make space in work zone for installations. -S. Frost

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

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


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

9/30/2023: Survey stakeout of resource and plan for restoration of soils.

10/1/2023 - Wetland topsoil restored. ECDs in place. Prepping for seeding on 10/2/23. - S. Frost

10/2/2023- Clean up of site. Seeding of wetland and stream completed. 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>	<b>Summer Frost</b> <i>Print Name</i>	 <i>Signature</i>	<b>10/02/2023</b> <i>Date</i>
-----------------------------------	--	---	----------------------------------

# WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2

## 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.

# WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2

## Optional Additional Photos



**Photo Description:** Top soil removal through wetland.



**Photo Description:** Pipe installation into trench.



**Photo Description:** Survey staking out for final grade and wetland boundaries.



**Photo Description:** Final restoration and seeding of wetlands.