

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-H2	Crossing Start Date: 11/01/2023	Crossing Completion Date: 11/10/2023
Milepost: 301.7	Pre-Con Assessment Date: 9/07/2023	Post-Con Assessment Date: 11/10/2023
Station: 15953+68	Cowardin Classification: PEM (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 34791.37
County: Pittsylvania		

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>	No	No
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	2 - Minor
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

WETLAND BIOLOGICAL CONDITIONS
ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Comments/Remarks

10-28-2023: Pre-construction meeting. EI: D. Wilson and PPL Foreman: J. Rogers
Per on-site personnel the resource crossing potentially starting between 11-02-2023 & 11-06-2023. This resource is being crossed in conjunction with W-H3, W-H1 (impact avoided), and S-H5.

10-30-2023: No work activity within the resource

11-01-2023: Soil segregation. Excavating to expose loose ends on both CIS/GAS.

11-02-2023: Inactive. No work activity within the resource.

11-03-2023: Excavating trench adjacent to W-H1 & through W-H2. Lowered in FBE pipe in trench, welding, x-ray, and coating activities were performed.

11-04-2023: Inactive. No work activity within the resource.

11-05-2023: Inactive. No work activity within the resource.

11-06-2023: Welding continued, and wetland area remains temporarily impacted by construction pipe installation.

11-07-2023: Welding, x-ray, coating completed. Wetland topsoil remains segregated and stockpiled.

11-08-2023: Trench breakers installed and backfill of subsoil completed. Final restoration scheduled for 11-09.

11-09-2023: Completed restoration of W-H3 by reapplying previously stockpiled topsoil, with seed and straw mulch.

11-10-2023: Post-Construction auditor assessment completed.

No unauthorized discharges or impacts to biological conditions were observed during the crossing.

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>	<u>Violet Smith</u> <i>Print Name</i>	<u></u> <i>Signature</i>	<u>11/11/2023</u> <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.

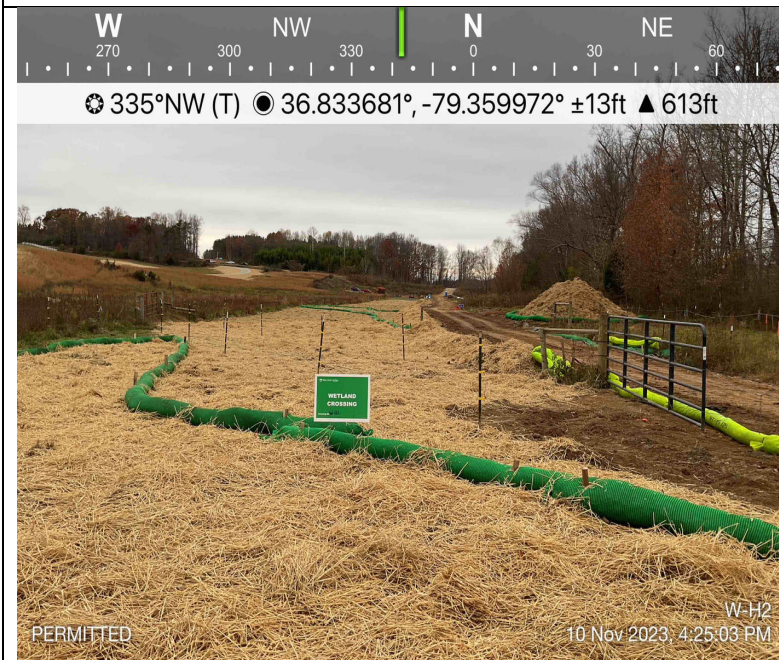


Photo Description: View of permitted resource impact area during post-construction assessment.



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: Wetland boundary maintained during restoration, but timber mats remain in place across wetland area to maintain access during completion of upland areas.



Photo Description: Welding activities within the wetland impact area.



Photo Description: Backfill operations within resource crossing areas. Typo in photo watermark, "W-H2", not "S-H2"

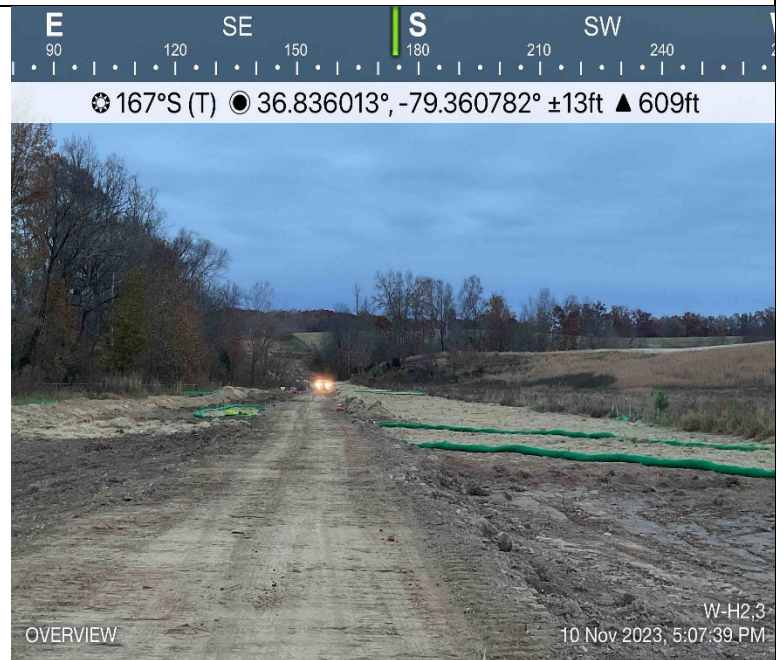


Photo Description: Overview of wetland crossings restored and new ECD's installed.