

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-EF6	Crossing Start Date: 10/30/2023	Crossing Completion Date: 11/04/2023
Milepost: 303.2	Pre-Con Assessment Date: 10/28/2023	Post-Con Assessment Date: 11/04/2023
Station: 16	Cowardin Classification: PFO (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 2905.45
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	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-Suboptimal (30-60% mixed vegetative coverage), 3-Marginal (<30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetative coverage, etc.)</i>	1 - Optimal	1 - Optimal

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Comments/Remarks

10-28-2023: Pre-construction meeting and auditor assessment. The MVP EI is Joesph Thomas, and the Precision foreman is Dillon Gentry. -K. Bryant

10-30-2023: Work in the resource began. The topsoil was excavated, stockpiled separately from the subsoil, and stabilized with a geotextile fabric. -K. Bryant

10-31-2023: The existing pipe was exposed, and the trench was excavated. -K. Bryant

11-1-2023: The pipe was lowered into the trench and welded onto the existing pipe. -K. Bryant


11-2-2023: The tie-in pipe was lowered into the trench. The pipes were welded together, and the trench breakers were installed. -K. Bryant

11-3-2023: The trench was backfilled with subsoil. -K. Bryant

11-4-2023: The topsoil was restored to the impacted area. The resource was seeded and stabilized with straw mulch. Restoration of resource has been finished, and post-construction auditor assessment was completed. -K. Bryant

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>	Kwame Bryant <i>Print Name</i>	 <i>Signature</i>	11/05/2023 <i>Date</i>
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Required Photos

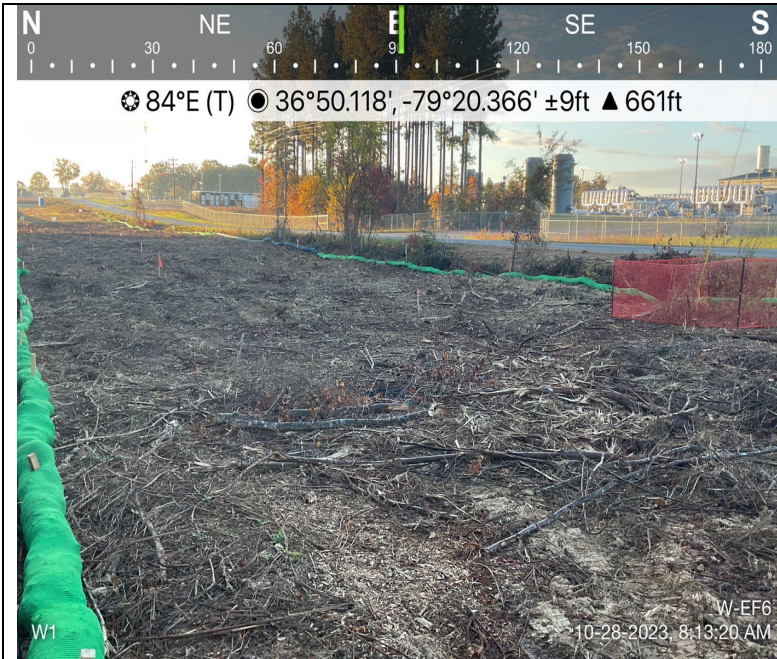


Photo Description: View of permitted resource impact area during pre-construction assessment.



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

North West Elevation

☉ 137°SE (T) ● 36°50.066', -79°20.284' ±13ft ▲ 673ft



Dewatering structure

S-EF6

10-30-2023, 2:22:21 PM

Photo Description: An overview of the dewatering structure.

North West Elevation

☉ 146°SE (T) ● 36°50.113', -79°20.366' ±16ft ▲ 686ft



Topsoil covered

W-EF6

10-31-2023, 2:29:08 PM

Photo Description: The wetland topsoil was excavated, stockpiled separately, and covered.

E SE S SW

☉ 167°S (T) ● 36°50.111', -79°20.361' ±26ft ▲ 644ft



Trench breakers

W-EF6

11-02-2023, 1:13:48 PM

Photo Description: A trench breaker was installed along the pipe.

SW W NW N

☉ 300°NW (T) ● 36°50.107', -79°20.357' ±13ft ▲ 646ft



Back filling with padded soil

W-EF6

11-02-2023, 5:56:48 PM

Photo Description: The trench in the process of being backfilled with padded soil.