

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-A12-PEM	Crossing Start Date: 10/17/2023	Crossing Completion Date: 10/20/2023
Milepost: 272.4	Pre-Con Assessment Date: 10/09/2023	Post-Con Assessment Date: 10/20/2023
Station: 14392 + 03	Cowardin Classification: PEM (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 2835.76
County: Franklin		

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

9-29-2023: Pre-construction meeting today. Glen Morrow is the MVP EI. The Precision foreman is Clayton "Brian" Dennis. This resource will be an open cut and is being crossed in conjunction with S-A41, W-A12-PEM, and W-DD1. -S. Canfield

10-2-2023: The EI anticipates the triple crossing will begin at the end of this week or possibly next week. The plan is for the crew to finish S-A36 before commencing this crossing. -A. Thorpe

10-3 to 10-15-2023: No crossing activity or work near the resource crossing areas. Pre-construction auditor assessment completed on 10-9-2023.

10-16-2023: The crew spent the morning completing another site. Began digging the bell hole near GAS of the triple crossing. The upland topsoil was stripped and segregated near the stream. Jeep tested pipe sections for the crossing. - T. Snideman

10-17-2023: Timber mats were utilized by the equipment. The top 12-inches of topsoil was excavated from the wetland, separated, and stored on geotextile fabric. The subsoil was removed and stored separately on geotextile fabric. Trenching activities continued. -T. Snideman

10-18-2023: The trench was dewatered. Sandbag padding was installed in the trench. A section of pipe was lowered into the trench. Two cuts were made to the pipe and two welds were performed. A 6-inch pump was utilized to dewater the trench. One weld was x-rayed. -T. Snideman


10-19-2023: The first weld was coated, a second weld was x-rayed and coated. A trench breaker was installed on the GAS of the wetland. A trench breaker was not required on the CIS on the E&S plan. The crew began backfilling the subsoil. -T. Snideman

10-20-2023: Restored the subsoil and 12" topsoil. Installed filter sock perimeter control and applied the wetland seed and straw mulch. Restoration is completed and auditor post-construction assessment completed. -T. Snideman

Item #10: The E&S plan only required a Trench Breaker on the GAS. The trench breaker was placed 25-feet from the resource. -T. Snideman

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

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>	Traci Snideman <i>Print Name</i>	 <i>Signature</i>	10/20/2023 <i>Date</i>
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Required Photos



Photo Description: View of permitted resource impact area during pre-construction assessment. Typo in photo watermark. W-A12-PEM, not PFO.



Photo Description: At edge of LOD, view of unpermitted resource area conditions during pre-construction assessment. Typo in photo watermark. W-A12-PEM, not PFO.



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

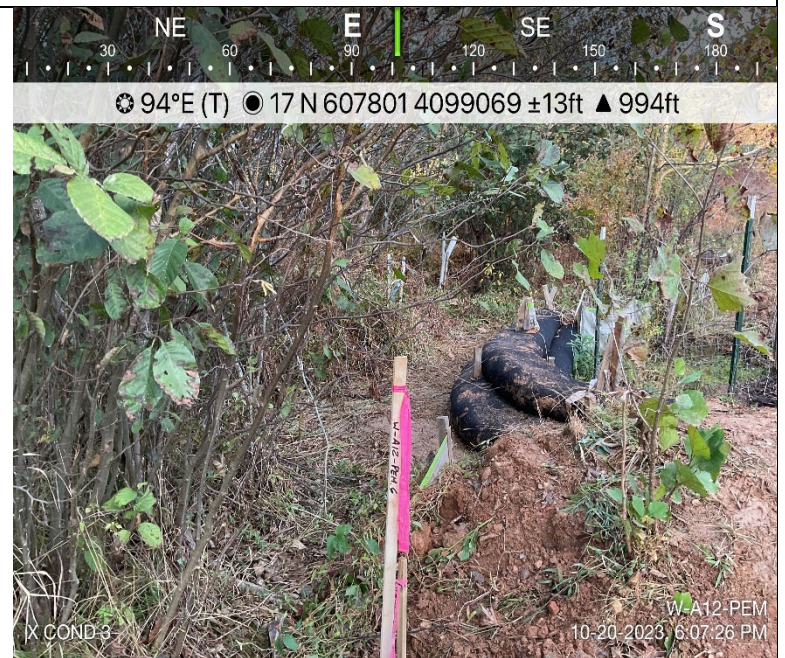


Photo Description: At edge of LOD, view of unpermitted resource area conditions during post-construction assessment.

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Optional Additional Photos



Photo Description: Trenchbreaker installations and pipe padding backfill.



Photo Description: Timber mats used during the resource crossing.



Photo Description: Restoration of the wetland's subsoil and topsoil.



Photo Description: Restoration of the resource is complete.