

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-DD1	Crossing Start Date: 10/16/2023	Crossing Completion Date: 10/20/2023
Milepost: 272.1	Pre-Con Assessment Date: 09/29/2023	Post-Con Assessment Date: 10/20/2023
Station: 14390 +00	Cowardin Classification: PEM (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 3541.43
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-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>	1 - Optimal	1 - Optimal

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Comments/Remarks

9-29-2023: Pre-con meeting and auditor assessment. Glen Morrow is MVP EI. Precision Foreman Clayton "Brian" Dennis. This is an open cut. Reviewed plan for segregating the wetland topsoil and subsoil. Anticipated start date of 10-2-23. This resource is being crossed in conjunction with S-A41 and W-A12-PEM. -S. Canfield

10-2-2023: According to the EI, the triple crossing is anticipated to begin at the end of this week or possibly next week once construction of S-A36 is complete. -A. Thorpe

10-3 to 10-15-2023: No crossing activity or work near the resource crossing areas.

10-16-2023: The crew is completing construction of another site. Began construction by digging a bell hole near the GAS of the resource, stripped the upland topsoil near the resource and segregated the soil. Jeep tested the pipe section for the resource crossings. Equipment mats were utilized. Removed and separated the top 12-inches of wetland topsoil and stored on geotextile fabric. The upland topsoil was segregated and stored with the upland topsoil. The upland subsoil was stored with the upland subsoil. -T. Snideman

10-17-2023: Continued excavation by hammering the rock in the trench. -T. Snideman

10-18-2023: Dewatered the trench. Installed sandbag padding in the trench. Lowered a section of pipe into the trench. Made two cuts for pipe fit and subsequently performed two welds. A 6-inch pump actively dewatered the trench into the installed dewatering structure. One weld was x-rayed. -T. Snideman

10-19-2023: Coated the first weld, then x-rayed and coated the second weld. Installed a trench breaker on the CIS of wetland. Trench breakers were installed on each side of the wetland. Began backfilling the subsoil. -T. Snideman

10-20-2023: Restored the subsoil and topsoil. Installed filter sock perimeter control, applied the MVP wetland mix and straw mulch. Restoration of the site is complete. Post con auditor assessment conducted. -T. Snideman

No impact to biological conditions or unauthorized discharge, 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.



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.

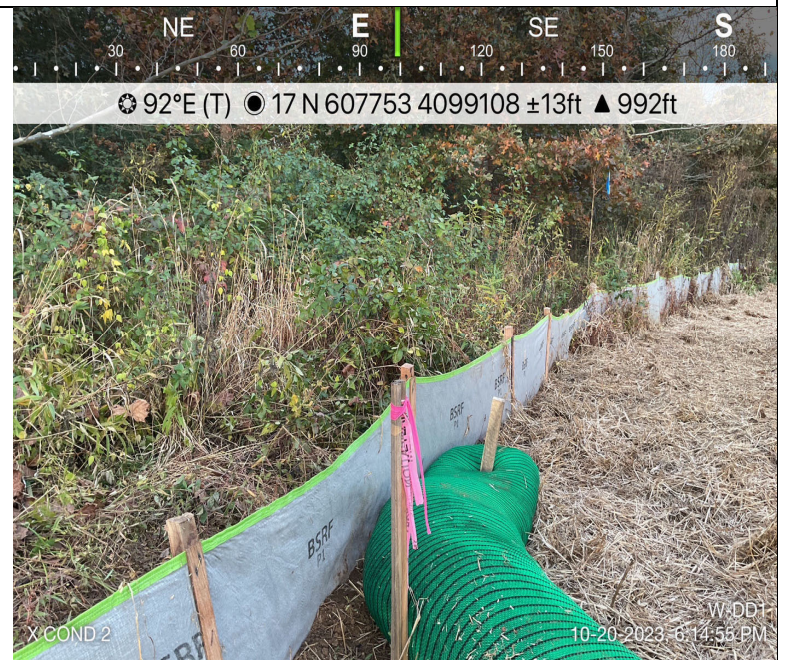


Photo Description: At edge of LOD, view of unpermitted resource area conditions during post-construction assessment.

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Optional Additional Photos



Photo Description: Removing top 12 inches of topsoil from W-DD1.



Photo Description: Trench breakers installed in W-DD1. Backfilling operations underway.



Photo Description: Restoration of the stockpiled topsoil to the impacted area.



Photo Description: Dewatering structure installed for crossing activities at S-A41, W-A12-PEM & W-DD1.