

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-HS02	Crossing Start Date: 11/20/2023	Crossing Completion Date: 12/16/2023
Milepost: 243.2	Pre-Con Assessment Date: 11/18/2023	Post-Con Assessment Date: 12/18/2023
Station: 12861+36	Cowardin Classification: PEM (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 12601.91
County: Roanoke		

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>	Yes	Yes
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>	2 - Minor	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-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

11/17/23- Pre-Con scheduled for 11/18. On site El Dylan Hooper.

11/18/23- Pre Con Assessment completed. Timber mats were installed for wetland topsoil segregation. Dewatering Structures installed at the book-ends of crossings. Initial construction scheduled for 11/20.-T. Brodbeck

11/20/23- Initial construction postponed due to forecasted rain; 11/23/23 is the new target date. - T. Brodbeck

11/24/23- No construction has started at this wetland. No change in resource. - T. Brodbeck

11/25/23 - No construction has started at this wetland. No change in resource. - T. Brodbeck

11/26/23 - No construction impacting this wetland has started. No change in resource. - T. Brodbeck

11/27/23 - Backfilled upland subsoil adjacent to wetland. No direct impact to wetland. T. Brodbeck

11/28-12/07/23 - Construction continued on the adjacent wetland, no change in resource area. - T. Brodbeck

12/08/23 - Removal and segregation of wetland topsoil. Trenched and set pipeline in upland adjacent to wetland. T. Brodbeck

12/09/23 - Trenching wetland, timber mats in place for the excavator to operate. -T. Brodbeck

12/11/23 - Continued trenching through wetlands. Staged the pipe in the trench, installed trench breaker where the wetland meets the upland. - T.Brodbeck

12/12/23 - Shut down pumping operation until fusion filter arrives due to sediment build up in dewatering structure. Continued trenching upland. - T. Brodbeck

12/13/23 - Staged and lowered Pipeline. Fusion pump arrived at 3pm and continued pumping. Welded Pipeline, X-ray completed. - T. Brodbeck

12/14/23 - Wetland & upland subsoil backfilled. - T. Brodbeck

12/15/23 - Continued backfilling upland. Wetland restored with wetland topsoil and topographical survey completed. - T. Brodbeck

12/16/23 - Installed P1 Fencing, Seeded and Mulched, clean straw used as stabilizer. Timber mat bridges were cleaned at the end of the day. - T.Brodbeck

12/18/23 - Post-Con Assessment Completed. Work on adjacent the resource continues; timber-mat traveling lane will exist adjacent to resource area until construction is completed on adjacent wetland. - T. Brodbeck

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>	Troy Brodbeck <hr style="width: 80%; margin: 0 auto;"/> <i>Print Name</i>	 <hr style="width: 80%; margin: 0 auto;"/> <i>Signature</i>	12/18/2023 <hr style="width: 80%; margin: 0 auto;"/> <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.