

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-KL50	Crossing Start Date: 02/19/2024	Crossing Completion Date: 02/23/2024
Milepost: 243.8	Pre-Con Assessment Date: 02/18/2024	Post-Con Assessment Date: 02/23/2024
Station: 12885+00	Cowardin Classification: PEM (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 1777.25
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>	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>	2 - Suboptimal	1 - Optimal

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Comments/Remarks

The MVP EI is Danny Patterson, and the Precision Pipeline foreman is Austin.

2/18/24: The pre-construction photos were taken, and the pre-construction assessment was completed. The resource will be impacted in the construction of a bell hole for the mainline tie-in. Only a few feet of the wetland that extends into the ROW will need to be excavated. The anticipated start date for the open cut is tomorrow, 2-19-24. -A. Thorpe

2/19/24: The top 12 inches of topsoil was excavated from a portion of the wetland and segregated on timber mats that were covered in Geotech fabric. The compost filter sock marking the boundary of the wetland within the ROW was adjusted to separate the impacted area of the wetland from the remaining, unimpacted area of the wetland. The bell hole was then fully excavated from the subsoil and the trench was padded with sandbags. -A. Thorpe

2/20/24: The pipe section was lowered into the trench and welding began. The weld was x-rayed. -A. Thorpe

2/21/24: The final weld was completed and backfill began. -A. Thorpe

2/22/24: QA/QC was completed on the weld and a trench breaker was constructed in the Going Away Side (GAS) upland. As this wetland was only impacted for the construction of a bell hole and the centerline does not go through the wetland, it was not deemed necessary to construct impervious trench breakers on each side of the resource. Dirt was padded over the pipe and subsoil backfill began. -A. Thorpe

2/23/24: Subsoil backfill was completed. The topsoil was returned to the disturbed section of the resource, survey verified the grade, and it was decompacted. New compost filter socks were installed around the perimeter of the wetland and the topsoil was seeded and strawed. The post-construction photos were taken, and the post-construction assessment was completed. -A. Thorpe

No impacts to biological conditions were observed during the crossing activity.

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>	Alex Thorpe <i>Print Name</i>	 <i>Signature</i>	02/23/2024 <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: The topsoil was excavated.



Photo Description: The wetland topsoil was segregated and stockpiled on top of Geotech fabric.



Photo Description: An upland trench breaker was installed, and the soil was padded during backfill.



Photo Description: The area was restored with seed, straw mulch, and compost filter sock.