

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-H11	Crossing Start Date: 11/16/2023	Crossing Completion Date: 11/17/2023
Milepost: 278.2	Pre-Con Assessment Date: 11/08/2023	Post-Con Assessment Date: 11/17/2023
Station: 14716+15	Cowardin Classification: PEM (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 2038.61
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

10-23-23: Pre-construction meeting. The Precision foreman is Lance Romberg, and the MVP EI is Bill Leclair. During the meeting, the plan to segregate topsoil and subsoil was discussed. Trench breakers will be installed at the entrance and exit of the resource. Construction is anticipated to begin tomorrow, 10-24-23. The upland topsoil was removed and segregated. -T. Snideman

10-24-23: Trenching activities occurred in the areas around the resource. The tie- in crew was welding a joint section to bore. Construction activity will be starting in the resource this week. -T. Snideman

10-25-23: Straw mulch was applied to the disturbed areas around resource. Construction activities in the resource postponed. The CIS of the wetland was stabilized, and the bridge side boards were repaired. -T. Snideman

10-26-23 through 11-07-23: No construction activity. -T. Snideman


11-08-23: An additional pre-construction meeting was conducted prior to the resource crossing. The MVP EI is Keith Davis, and the Precision foreman is Kevin Green. The crossing method will be an open-cut crossing. During the meeting, soil management, the dewatering structure, and the plan to separate topsoil from subsoil and stockpile each separately onto Geotech fabric was discussed. -T. Snideman

11-16-23: The crew mobilized equipment from another site and began staging around the resource. Upland subsoil was excavated, and bell holes were excavated on both sides of the resource. The wetland topsoil was excavated, segregated, stockpiled, and covered with Geotech fabric. The subsoil was excavated, stockpiled in an upland area on a layer of straw, and covered by Geotech fabric. The pipe was lowered into the trench and one weld was completed. -T. Snideman

11-17-23: The pipe was x-rayed and welded. Another section of the pipe was lowered into the trench. The first weld was sandblasted and coated. A second weld was completed. The weld was then x-rayed, sandblasted, and coated. The crew began backfilling and installing the trench breakers. The subsoil was returned to the resource with an articulating dump truck. Surveyors were on-site to stake out the wetland contours. The topsoil was restored to the site and temporary seed was applied. The wetland buffer was restored. -T. Snideman

No impacts to biological conditions or unauthorized discharges 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.

<p><i>This report was written by</i></p>	<p align="center">Traci Snideman <i>Print Name</i></p>	 <i>Signature</i>	<p align="center">11/17/2023 <i>Date</i></p>
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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.

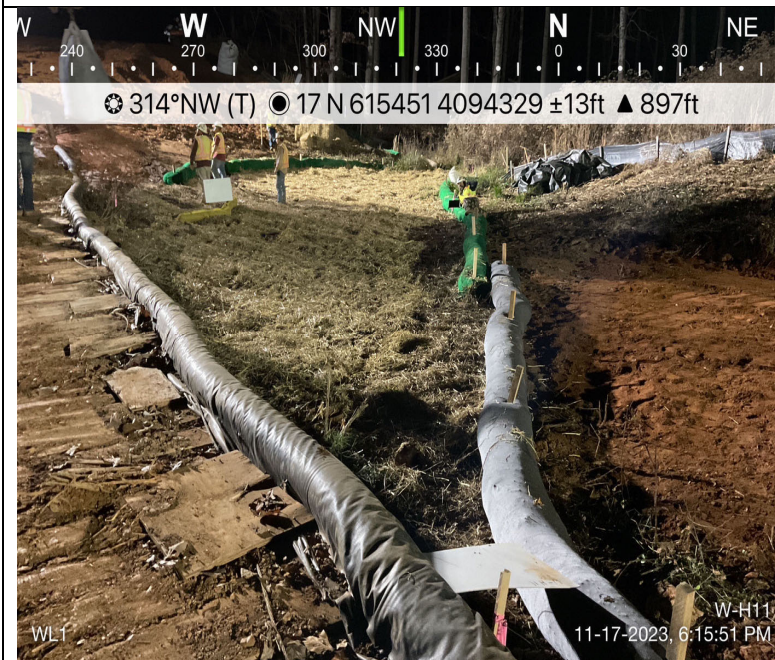


Photo Description: View of permitted resource impact area during post-construction assessment.



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: Upland soil stockpiled outside of the resource.



Photo Description: Topsoil being removed from the resource.



Photo Description: The subsoil being removed from the resource.



Photo Description: Overview of the resource during restoration activities.