

# WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



<b>Wetland ID:</b> W-EF51	<b>Crossing Start Date:</b> 09/26/2023	<b>Crossing Completion Date:</b> 09/30/2023
<b>Milepost:</b> 265.9	<b>Pre-Con Assessment Date:</b> 09/14/2023	<b>Post-Con Assessment Date:</b> 10/03/2023
<b>Station:</b> 14066+75	<b>Cowardin Classification:</b> PEM (PEM, PFO, PSS, POW)	<b>Wetland Impact Area (sq ft.):</b> 579.35
<b>County:</b> 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.	<b>Wetland Saturation:</b> <i>Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)</i>	Yes	Yes
18.	<b>Resource Alterations: Are the wetland soil conditions visibly disturbed?</b> <b>Examples:</b> <i>Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.</i> <b>Rating:</b> <i>1-Negligible (undisturbed/natural resource), 2-Minor (20-40% of resource disturbed by alterations), 3-Moderate (40-80% of resource disturbed), 4-Poor (&gt;80% of resource disturbed)</i>	1 - Negligible	1 - Negligible
19.	<b>Is vegetation present within the permitted impact area prior to disturbance? (Pre-Con)</b> <b>Are areas properly seeded and stabilized after restoration? (Post-Con)</b> <b>Rating:</b> <i>1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetative coverage), 3-Marginal (&lt;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

9-14-2023: Pre-Con meeting for W-EF51 and S-EF48. W-EF51 is located within the stream boundaries so will be crossed at the same time. Lance Romberg is PPL foreman, Bill Leclair MVP EI. Monday 9-18-2023 anticipated start date. -S. Canfield

9-20-2023: Took photos and reviewed OC plan with Bill Leclair. Unlikely to start crossing until 9-22 or later. Have not entered 50ft buffer. They did cut vegetation in order to more clearly see Pre-Con conditions. No land disturbance within resources. -S. Canfield

9-21-2023: No changes and crossing activities have not started within resources yet. -S. Canfield

9-22-2023: Crossing has not started. New filter sock installed and sidewalls of bridge repaired where needed. -S. Canfield

9-24-2023: No changes. No activity within resource areas. -S. Canfield

9-25-2023: Stripped the topsoil from the 50ft buffers and added signs to indicate stockpiles locations. Work did not enter the 10ft buffers yet. Plan to work within resources on 9-26-23. -S. Canfield

9-26-2023: Crossing started. 10ft buffer topsoil and 50ft topsoil removed and stored separately. Wetland top soil and stream substrate material were segregated and individually wrapped in their own geotech material. Wetland subsoil was segregated and stored on top of geotech material. All segregated materials are marked with signs to ensure proper placement when restoring the resources. Trench was dug and pipe was being staged to install. -S. Canfield

9-27-2023: Multiple trench boxes and metal plates installed in trench to ensure trench safety for crews. Pipe placed into trench and welding started. -S. Canfield

9-28-2023: Pipe welding for majority of the day and added pipe padding. -S. Canfield

9-29-2023: Backfilled resource with appropriate subsoils and added topsoil. Most restoration is complete with seeding, but dam and pump still installed and crew plans to touchup within the stream bed on 9-30. The stream runs through the wetland so both restorations need to be completed. Installation of pipe remains adjacent to the resource, so the LB buffer area was not restored today. -S. Canfield

9-30-2023: Post-con assessment questions complete. The check dams in the stream will be removed Monday and filter sock will be placed around the wetland. Take postcon photos after check dams removed. -S. Canfield

10-3-2023: Check dams removed, restoration completed, and post-con assessment done. -B. Fennell

No impacts to biological conditions or unauthorized discharges observed during resource crossing.

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>	<b>Bill Fennell</b> <hr style="width: 80%; margin: 0 auto;"/> <i>Print Name</i>	<hr style="width: 80%; margin: 0 auto;"/> <i>Signature</i>	<b>10/03/2023</b> <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.



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## Optional Additional Photos



**Photo Description:** Trenchbreaker installed on going away side of resource.



**Photo Description:** Wetland topsoil stockpiled and staged separately from sub soil and other soils.



**Photo Description:** Dewatering operation/structure installed and operational during crossing.



**Photo Description:** Restoration mostly completed, and check dams remain installed to assist with settling turbidity from restoring streamflow to impact area.