WETLAND BIOLOGICAL CONDITIONS
ENVIRONMENTAL AUDITOR REPORT

Version 2.2

Wetland Studies and Solutions, Inc.® a DAVEY company

Wetland ID: W-C12	**Crossing Start Date:** 11/26/2023	**Crossing Completion Date:** 11/27/2023
Milepost: 229.4	**Pre-Con Assessment Date:** 11/25/2023	**Post-Con Assessment Date:** 11/28/2023
Station: 12120+33	**Cowardin Classification:** PFO **(PEM, PFO, PSS, POW)**	**Wetland Impact Area (sq ft.):** 2278.19
County: Montgomery		

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:** *Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)*	Yes	Yes
18.	**Resource Alterations: Are the wetland soil conditions visibly disturbed?** **Examples:** *Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.* **Rating:** *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)*	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:** *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.)*	3 - Marginal	1 - Optimal

Comments/Remarks

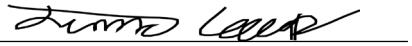
The MVP EI on-site is Jordan Davis.

11/25/2023- This site has a previously completed report and this report is for resource maintenance. The wetland has experienced settling over time and low spots have emerged. This maintenance is to correct this issue and return the wetland to pre-construction conditions. -T. Cullop

11/26/2023- Crews worked stripping topsoil outside of the buffer zones and installing timber mats in preparation for work the following day. -T. Cullop

11/27/2023- Crews placed timber mats inside the wetland to work and segregated topsoil. The top foot of topsoil was stripped and segregated on timber mats. Fill material was brought in to correct the low spots within the wetland. Topsoil was returned to the impacted area and survey took shots to confirm that the area was at pre-construction grade specs. Crews then re-seeded and stabilized the affected area. Timber mats were removed and the wetland was returned to final ROW stabilization. -T. Cullop

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.

This report was written by	Tanner Cullop *Print Name*	 *Signature*	11/29/2023 *Date*

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.

Optional Additional Photos

Photo Description: Crews laid timber mats to work in the wetland.

Photo Description: Topsoil being replaced after fill material was used to fix the impacted section of the wetland.

Photo Description: Survey conducting as-built shots to confirm that the wetland meets pre-construction conditions.

Photo Description: Final conditions and an overview of the wetland after construction was complete.