

**Table 17. (revised 5/11/2021)
Compensatory Wetland Mitigation
Individual Permit Application
Mountain Valley Pipeline Project**

Feature	USACE District	HUC 8 Name	HUC 8 #	Cowardin Class ¹	Impact (acres)	Impact Type	Mitigation Evaluation Method ²	Projected Mitigation Requirement	Proposed Mitigation Type ³
W-IJ31	Huntington	Middle Ohio	05030201	PEM	0.0082	Permanent Fill	SWVM	0.0082	Kincheloe
W-A27-PFO	Huntington	Middle Ohio	05030201	PFO	0.0547	Permanent Conversion	SWVM	0.0547	Kincheloe
W-A23	Huntington	Middle Ohio	05030201	PEM	0.0579	Permanent Fill	SWVM	0.0579	Kincheloe
W-H109	Huntington	Little Kanawha	05030203	PEM	0.0027	Permanent Fill	SWVM	0.0027	Kincheloe
W-K33-PSS	Huntington	Little Kanawha	05030203	PSS	0.0024	Permanent Conversion	SWVM	0.0024	Kincheloe
W-I22-PEM	Huntington	Little Kanawha	05030203	PEM	0.0059	Permanent Fill	SWVM	0.0059	Kincheloe
W-H98	Huntington	Little Kanawha	05030203	PEM	0.0331	Permanent Fill	SWVM	0.0331	Kincheloe
W-UV17	Huntington	Little Kanawha	05030203	PFO	0.0055	Permanent Conversion	SWVM	0.0055	Kincheloe
W-VV4-PFO	Huntington	Little Kanawha	05030203	PFO	0.0263	Permanent Conversion	SWVM	0.0263	Kincheloe
W-VV3-PFO	Huntington	Little Kanawha	05030203	PFO	0.0160	Permanent Conversion	SWVM	0.0160	Kincheloe
W-A20-PFO	Huntington	Elk	05050007	PFO	0.0298	Permanent Conversion	SWVM	0.0298	Beverly
W-H70	Huntington	Elk	05050007	PEM	0.0057	Permanent Fill	SWVM	0.0057	Beverly
W-H71	Huntington	Elk	05050007	PEM	0.0205	Permanent Fill	SWVM	0.0205	Beverly
W-H72	Huntington	Elk	05050007	PEM	0.0064	Permanent Fill	SWVM	0.0064	Beverly
W-H73	Huntington	Elk	05050007	PEM	0.0061	Permanent Fill	SWVM	0.0061	Beverly
W-H74	Huntington	Elk	05050007	PEM	0.0115	Permanent Fill	SWVM	0.0115	Beverly
W-H67	Huntington	Elk	05050007	PFO	0.0908	Permanent Conversion	SWVM	0.0908	Beverly
W-H66	Huntington	Elk	05050007	PFO	0.2496	Permanent Conversion	SWVM	0.2496	Beverly
W-H64-PSS	Huntington	Elk	05050007	PSS	0.0422	Permanent Conversion	SWVM	0.0422	Beverly
W-O13	Huntington	Elk	05050007	PEM	0.0405	Permanent Fill	SWVM	0.0405	Beverly
W-B35	Huntington	Elk	05050007	PSS	0.0108	Permanent Conversion	SWVM	0.0108	Beverly
W-E28	Huntington	Elk	05050007	PSS	0.0084	Permanent Fill	SWVM	0.0084	Beverly
W-E30	Huntington	Elk	05050007	PEM	0.0316	Permanent Fill	SWVM	0.0316	Beverly
W-F40	Huntington	Elk	05050007	PSS	0.0188	Permanent Conversion	SWVM	0.0188	Beverly
W-E18-PSS	Huntington	Gauley	05050005	PSS	0.0538	Permanent Conversion	SWVM	0.0538	Spanishburg
W-E13	Huntington	Gauley	05050005	PFO	0.0107	Permanent Conversion	SWVM	0.0107	Spanishburg
W-FF6-PSS	Huntington	Gauley	05050005	PSS	0.0333	Permanent Conversion	SWVM	0.0333	Spanishburg
W-A15	Huntington	Gauley	05050005	PSS	0.0891	Permanent Conversion	SWVM	0.0891	Spanishburg
W-A14	Huntington	Gauley	05050005	PFO	0.0374	Permanent Conversion	SWVM	0.0374	Spanishburg
W-I7	Huntington	Gauley	05050005	PFO	0.0333	Permanent Conversion	SWVM	0.0333	Spanishburg
W-J8	Huntington	Gauley	05050005	PFO	0.0533	Permanent Conversion	SWVM	0.0533	Spanishburg
W-J7	Huntington	Gauley	05050005	PFO	0.0693	Permanent Conversion	SWVM	0.0693	Spanishburg
W-H35	Huntington	Gauley	05050005	PEM	0.0177	Permanent Fill	SWVM	0.0177	Spanishburg
W-M22	Huntington	Gauley	05050005	PSS	0.0039	Permanent Conversion	SWVM	0.0039	Spanishburg
W-J6	Huntington	Gauley	05050005	PFO	0.0744	Permanent Conversion	SWVM	0.0744	Spanishburg
W-HS1	Huntington	Gauley	05050005	PEM	0.0360	Permanent Fill	SWVM	0.0360	Spanishburg
W-QR2	Huntington	Gauley	05050005	PEM	0.0010	Permanent Fill	SWVM	0.0010	Spanishburg
W-IJ47-PEM	Huntington	Gauley	05050005	PEM	0.0633	Permanent Fill	SWVM	0.0633	Spanishburg
W-UV4	Huntington	Gauley	05050005	PSS	0.0885	Permanent Conversion	SWVM	0.0885	Spanishburg
W-I10	Huntington	Gauley	05050005	PEM	0.0550	Permanent Fill	SWVM	0.0550	Spanishburg
W-MM20-PFO	Huntington	Greenbrier	05050003	PFO	0.2990	Permanent Conversion	SWVM	0.2990	Spanishburg
W-A13	Huntington	Upper New	05050002	PEM	0.0228	Permanent Fill	SWVM	0.0228	Spanishburg
W-MN18-PFO	Huntington	Upper New	05050002	PFO	0.1750	Permanent Conversion	SWVM	0.1750	Spanishburg

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W-CV25-PSS-1	Huntington	Upper New	05050002	PSS	0.0270	Permanent Conversion	SWVM	0.0270	Spanishburg
W-UU1	Pittsburgh	West Fork	05020002	PFO	0.0045	Permanent Conversion	SWVM	0.0045	Kincheloe
W-UU3	Pittsburgh	West Fork	05020002	PFO	0.0065	Permanent Conversion	SWVM	0.0065	Kincheloe
W-ST12-PSS	Pittsburgh	West Fork	05020002	PSS	0.1444	Permanent Conversion	SWVM	0.1444	Kincheloe
W-K52	Pittsburgh	West Fork	05020002	PEM	0.0115	Permanent Fill	SWVM	0.0115	Kincheloe
W-Z3	Norfolk	Middle New	05050002	PSS	0.0136	Permanent Conversion	1 : 1	0.01360	No Mitigation Proposed ⁴
W-F9-PFO	Norfolk	Upper Roanoke	03010101	PFO	0.0169	Permanent Conversion	1 : 1	0.01690	Banister Bend
W-C12	Norfolk	Upper Roanoke	03010101	PFO	0.0523	Permanent Conversion	1 : 1	0.0523	Banister Bend
W-C11	Norfolk	Upper Roanoke	03010101	PSS	0.0461	Permanent Conversion	1 : 1	0.04610	Banister Bend
W-KL58	Norfolk	Upper Roanoke	03010101	PEM	0.0392	Permanent Fill	1 : 1	0.0392	Banister Bend
W-EF5-PFO	Norfolk	Upper Roanoke	03010101	PFO	0.0852	Permanent Conversion	1 : 1	0.0852	Banister Bend
W-EF18	Norfolk	Upper Roanoke	03010101	PSS	0.0052	Permanent Conversion	1 : 1	0.0052	Banister Bend
W-EF17	Norfolk	Upper Roanoke	03010101	PFO	0.0224	Permanent Conversion	1 : 1	0.0224	Banister Bend
W-IJ95-PSS	Norfolk	Upper Roanoke	03010101	PSS	0.0254	Permanent Conversion	1 : 1	0.0254	Banister Bend
W-IJ102	Norfolk	Upper Roanoke	03010101	PFO	0.0100	Permanent Conversion	1 : 1	0.0100	Banister Bend
W-KL17	Norfolk	Upper Roanoke	03010101	PSS	0.0435	Permanent Conversion	1 : 1	0.0435	Banister Bend
W-AB6-PFO-1	Norfolk	Upper Roanoke	03010101	PFO	0.0618	Permanent Conversion	1 : 1	0.0618	Banister Bend
W-AB6-PSS	Norfolk	Upper Roanoke	03010101	PSS	0.0061	Permanent Conversion	1 : 1	0.0061	Banister Bend
W-AB5	Norfolk	Upper Roanoke	03010101	PFO	0.0042	Permanent Conversion	1 : 1	0.0042	Banister Bend
W-EF46	Norfolk	Upper Roanoke	03010101	PSS	0.0682	Permanent Conversion	1 : 1	0.0682	Banister Bend
W-KL48-PSS-1	Norfolk	Upper Roanoke	03010101	PSS	0.0454	Permanent Conversion	1 : 1	0.04540	Banister Bend
W-KL48-PSS-2	Norfolk	Upper Roanoke	03010101	PSS	0.0264	Permanent Conversion	1 : 1	0.0264	Banister Bend
W-KL51-PSS	Norfolk	Upper Roanoke	03010101	PSS	0.0080	Permanent Conversion	1 : 1	0.00800	Banister Bend
W-IJ36	Norfolk	Upper Roanoke	03010101	PSS	0.1237	Permanent Conversion	1 : 1	0.1237	Banister Bend
W-Z7	Norfolk	Upper Roanoke	03010101	PSS	0.0003	Permanent Conversion	1 : 1	0.0003	Banister Bend
W-Z6	Norfolk	Upper Roanoke	03010101	PFO	0.0028	Permanent Conversion	1 : 1	0.0028	Banister Bend
W-B24-PSS	Norfolk	Upper Roanoke	03010101	PSS	0.1637	Permanent Conversion	1 : 1	0.1637	Banister Bend
W-B25-PSS-2	Norfolk	Upper Roanoke	03010101	PSS	0.0830	Permanent Conversion	1 : 1	0.08300	Banister Bend
W-GH2	Norfolk	Upper Roanoke	03010101	PSS	0.0130	Permanent Conversion	1 : 1	0.0130	Banister Bend
W-CD5	Norfolk	Upper Roanoke	03010101	PFO	0.1136	Permanent Conversion	1 : 1	0.1136	Banister Bend
W-CD1	Norfolk	Upper Roanoke	03010101	PFO	0.1106	Permanent Conversion	1 : 1	0.1106	Banister Bend
W-A12-PFO	Norfolk	Upper Roanoke	03010101	PFO	0.0040	Permanent Conversion	1 : 1	0.00400	Banister Bend
W-GH16	Norfolk	Upper Roanoke	03010101	PFO	0.0657	Permanent Conversion	1 : 1	0.06570	Banister Bend
W-H17	Norfolk	Upper Roanoke	03010101	PFO	0.0369	Permanent Conversion	1 : 1	0.03690	Banister Bend
W-H15	Norfolk	Upper Roanoke	03010101	PSS	0.0071	Permanent Conversion	1 : 1	0.0071	Banister Bend
W-D3	Norfolk	Upper Roanoke	03010101	PFO	0.0285	Permanent Conversion	1 : 1	0.02850	Banister Bend
W-B4-PSS	Norfolk	Upper Roanoke	03010101	PSS	0.0047	Permanent Conversion	1 : 1	0.0047	Banister Bend
W-MM5	Norfolk	Banister	03010105	PSS	0.0390	Permanent Conversion	1 : 1	0.03900	Banister Bend
W-MM8-PFO	Norfolk	Banister	03010105	PFO	0.0421	Permanent Conversion	1 : 1	0.04210	Banister Bend
W-Q2	Norfolk	Banister	03010105	PFO	0.3770	Permanent Conversion	1 : 1	0.3770	Banister Bend
W-EF6	Norfolk	Banister	03010105	PFO	0.0667	Permanent Conversion	1 : 1	0.06670	Banister Bend
W-IJ21	Norfolk	Banister	03010105	PFO	0.0106	Permanent Conversion	1 : 1	0.0106	Banister Bend

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W-MM3	Norfolk	Banister	03010105	PSS	0.0340	Permanent Conversion	1 : 1	0.03400	Banister Bend
W-IJ22-PFO	Norfolk	Banister	03010105	PFO	0.0785	Permanent Conversion	1 : 1	0.07850	Banister Bend
TOTAL					4.1815	-	-	4.1815	-

Notes:

- 1 - Field classification based on Cowardin et al. 1979. PEM - palustrine emergent wetland. PSS - palustrine scrub-shrub wetland. PFO - palustrine forested wetland
- 2 - In WV, the SWVM (Stream and Wetland Valuation Metric) was used to determine mitigation credit requirements
- In VA, per VDEQ and USACE guidance, mitigation ratios are 1:1 for PEM fill, PSS conversion, and PFO conversion impacts.
- 3 - Proposed mitigation bank based on the location of the impact and availability of mitigation credits in the impact area.
- Kincheloe - Kincheloe Mitigation Bank
- Beverly - Beverly Mitigation Bank
- Spanishburg - Spanishburg Mitigation Bank
- Banister Bend - Banister Bend Mitigation Bank
- 4 - Mountain Valley does not propose to purchase credits for impacts associated with wetland W-Z3. The proposed impact is 0.0136 acre conversion from PSS to PEM in the Middle New watershed. No wetland credits are available as no mitigation banks provide coverage within the river basin in which the impacts occur. As a result, Mountain Valley requested use of credits from VARTF that was denied without comment by The Nature Conservancy (TNC) on November 1, 2017. Permittee-responsible mitigation for this minimal impact is not practicable. Because compensatory mitigation is not required for this de minimis wetland impact, and there are no practicable options to provide such mitigation, MVP does not propose to provide any additional individual compensatory mitigation for the impact to W-Z3.