

Table A-2 - Virginia Wetland Impacts
Individual Permit Application
MVP Southgate Amendment Project

Wetland ID	County	USACE District	Latitude <u>a/</u>	Longitude <u>a/</u>	Cowardin Class <u>b/</u>	HUC-8	Impact Type <u>c/</u>	Temporary Impacts (square feet) <u>d/</u>	Permanent Conversion Impacts (square feet) <u>e/</u>	Temporary Fill (cubic yards) <u>f/</u>	Figure
W-A001	Pittsylvania	Norfolk	36.820876	-79.349624	PEM	03010105	Timber Mat Travel Lane	2,742	-	305	CL-002
W-A003a	Pittsylvania	Norfolk	36.823293	-79.347035	PFO	03010105	Pipeline ROW	-	16,427	6,084	CL-002
W-A003b	Pittsylvania	Norfolk	36.823326	-79.347151	PEM	03010105	Pipeline ROW	4,175	-	1,546	CL-002
W-A004	Pittsylvania	Norfolk	36.82749	-79.344446	PEM	03010105	Pipeline ROW	1,707	-	632	CL-001; AR-003
W-A005	Pittsylvania	Norfolk	36.826061	-79.338719	PEM	03010105	Temporary Access Road	1,099	-	122	AR-004, 006
W-A006	Pittsylvania	Norfolk	36.825273	-79.344682	PFO	03010105	Timber Mat Travel Lane/Maintenance Corridor/ Secondary Impact	-	4,544	205	CL-001; AR-004
W-A007	Pittsylvania	Norfolk	36.80193	-79.368135	PEM	03010105	Temporary Access Road	2,867	-	319	CL-006; AR-012
W-A008	Pittsylvania	Norfolk	36.801941	-79.368419	PEM	03010105	Temporary Access Road	295	-	33	CL-006; AR-012
W-A009	Pittsylvania	Norfolk	36.803103	-79.369149	PEM	03010105	Pipeline ROW	1,586	-	587	CL-006; AR-012
W-A010a	Pittsylvania	Norfolk	36.80495	-79.367094	PEM	03010105	Pipeline ROW	99,876	-	36,991	CL-005, 006
W-A010b	Pittsylvania	Norfolk	36.806753	-79.364964	PFO	03010105	Pipeline ROW	-	51,941	19,238	CL-005, 006
W-A010c	Pittsylvania	Norfolk	36.805165	-79.366691	PSS	03010105	Pipeline ROW	-	1,578	585	CL-006
W-A011	Pittsylvania	Norfolk	36.808642	-79.362842	PEM	03010105	Timber Mat Travel Lane	752	-	84	CL-005; AR-009
W-A013a	Pittsylvania	Norfolk	36.810309	-79.360973	PEM	03010105	Pipeline ROW/ Temporary Access Road	44,370	-	4,930	CL-04, 05; AR-009
W-A013b	Pittsylvania	Norfolk	36.810865	-79.360273	PSS	03010105	Pipeline ROW	-	23,137	8,569	CL-04, 05; AR-009
W-A013c	Pittsylvania	Norfolk	36.811511	-79.359471	PFO	03010105	Pipeline ROW	-	3,126	1,158	CL-04; AR-008, 009
W-A013d	Pittsylvania	Norfolk	36.810765	-79.36028	PFO	03010105	Pipeline ROW	-	9,367	3,469	CL-04, 05; AR-009
W-A014a	Pittsylvania	Norfolk	36.816246	-79.354021	PFO	03010105	Pipeline ROW	-	378	140	CL-03; AR-007
W-A017	Pittsylvania	Norfolk	36.736489	-79.438789	PEM	03010105	Pipeline ROW	7,819	-	52	CL-020, 021; AR-023
W-A019	Pittsylvania	Norfolk	36.788037	-79.384399	PFO	03010105	Pipeline ROW	-	2,988	31	CL-09
W-A020	Pittsylvania	Norfolk	36.773189	-79.39964	PFO	03010105	Pipeline ROW	-	1,869	70	CL-012, 013
W-A021	Pittsylvania	Norfolk	36.772842	-79.399682	PFO	03010105	Pipeline ROW	-	2,670	47	CL-012, 013
W-A022	Pittsylvania	Norfolk	36.771512	-79.401621	PFO	03010105	Pipeline ROW/ATWS	-	43,344	4,816	CL-013; AR-018
W-A023	Pittsylvania	Norfolk	36.771852	-79.400313	PFO	03010105	Pipeline ROW	-	5,516	2,043	CL-013; AR-018
W-A024	Pittsylvania	Norfolk	36.766498	-79.400132	PSS	03010105	Temporary Access Road	-	2,354	262	AR-016, 017
W-A025a	Pittsylvania	Norfolk	36.741628	-79.434083	PEM	03010105	Timber Mat Crossing	468	-	52	CL-019
W-A025b	Pittsylvania	Norfolk	36.741515	-79.434065	PFO	3010105	Pipeline ROW	-	505	187	CL-019
W-A026	Pittsylvania	Norfolk	36.746177	-79.429973	PEM	03010105	Timber Mat Crossing	275	-	31	CL-018, 019
W-A027	Pittsylvania	Norfolk	36.753467	-79.423204	PEM	03010105	Timber Mat Crossing	629	-	70	CL-017; AR-022
W-A028	Pittsylvania	Norfolk	36.734611	-79.440496	PFO	03010105	Pipeline ROW	-	4,341	1,608	CL-021; AR-023
W-A029a	Pittsylvania	Norfolk	36.735055	-79.440182	PEM	03010105	Pipeline ROW	3,266	-	1,210	CL-021
W-A029b	Pittsylvania	Norfolk	36.734941	-79.440171	PFO	03010105	Pipeline ROW	-	7,374	2,731	CL-021; AR-023
W-A030a	Pittsylvania	Norfolk	36.728941	-79.445945	PEM	03010105	Pipeline ROW	4,152	-	1,538	CL-022
W-A030b	Pittsylvania	Norfolk	36.729069	-79.445688	PSS	03010105	Pipeline ROW	-	3,085	1,143	CL-022
W-A031	Pittsylvania	Norfolk	36.720653	-79.45468	PFO	03010105	Pipeline ROW	-	8,906	3,298	CL-024; AR-026
W-A032	Pittsylvania	Norfolk	36.757595	-79.419057	PEM	03010105	Timber Mat Crossing	427	-	47	CL-016

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W-A033	Pittsylvania	Norfolk	36.720309	-79.455317	PFO	03010105	Pipeline ROW	-	3,620	1,341	CL-024
W-A034	Pittsylvania	Norfolk	36.719099	-79.457215	PFO	03010105	Pipeline ROW	-	1,104	409	CL-024
W-A035	Pittsylvania	Norfolk	36.719138	-79.457066	PSS	03010105	Pipeline ROW	-	191	71	CL-024
W-A036	Pittsylvania	Norfolk	36.707843	-79.466854	PSS	03010103	Timber Mat Crossing	-	1,209	134	CL-026; AR-028
W-A037	Pittsylvania	Norfolk	36.703959	-79.470234	PEM	03010103	Timber Mat Crossing	144	-	16	CL-027
W-A038	Pittsylvania	Norfolk	36.704175	-79.470157	PSS	03010103	Timber Mat Crossing	-	1,017	113	CL-028
W-A039	Pittsylvania	Norfolk	36.70161	-79.473394	PFO	03010103	Pipeline ROW	-	2,411	893	CL-028
W-A040	Pittsylvania	Norfolk	36.701714	-79.473466	PEM	03010103	Timber Mat Crossing	694	-	77	CL-028
W-A041	Pittsylvania	Norfolk	36.688824	-79.486112	PFO	03010103	Pipeline ROW	-	661	245	CL-030
W-A042	Pittsylvania	Norfolk	36.688884	-79.48626	PEM	03010103	Timber Mat Crossing	37	-	4	CL-030
W-A043	Pittsylvania	Norfolk	36.688825	-79.486238	PEM	03010103	Timber Mat Crossing	55	-	6	CL-030
W-A044	Pittsylvania	Norfolk	36.680665	-79.490026	PFO	03010103	Pipeline ROW	-	5,835	2,161	CL-032
W-A045	Pittsylvania	Norfolk	36.680303	-79.490273	PFO	03010103	Pipeline ROW	-	3,659	1,355	CL-032
W-A046	Pittsylvania	Norfolk	36.671944	-79.498935	PEM	03010103	Temporary Access Road	41	-	5	AR-031
W-A047	Pittsylvania	Norfolk	36.671862	-79.498897	PEM	03010103	Temporary Access Road	267	-	30	AR-031
W-A048	Pittsylvania	Norfolk	36.66816	-79.50654	PEM	03010103	Pipeline ROW	383	-	142	CL-035
W-A049a	Pittsylvania	Norfolk	36.673612	-79.501453	PFO	03010103	Pipeline ROW	-	4,865	1,802	CL-034; AR-032
W-A049b	Pittsylvania	Norfolk	36.673619	-79.501599	PEM	03010103	Timber Mat Crossing	787	-	87	CL-034; AR-032
W-A050	Pittsylvania	Norfolk	36.803187	-79.368939	PEM	03010105	Timber Mat Crossing	546	-	61	CL-06
W-A051	Pittsylvania	Norfolk	36.65186	-79.522198	PEM	03010103	Pipeline ROW	1,412	-	523	CL-038
W-A053	Pittsylvania	Norfolk	36.803307	-79.368781	PEM	03010105	Timber Mat Crossing	50	-	6	CL-06
W-A054	Pittsylvania	Norfolk	36.644078	-79.527393	PEM	03010103	Pipeline ROW	4,309	-	1,596	CL-039, 40
W-A063	Pittsylvania	Norfolk	36.627974	-79.548082	PEM	03010103	Timber Mat Crossing	30	-	3	CL-043; AR-038
W-A068	Pittsylvania	Norfolk	36.768123	-79.408282	PEM	03010105	Pipeline ROW	792	-	293	CL-014; AR-021
W-A069	Pittsylvania	Norfolk	36.758036	-79.418399	PFO	03010105	Timber Mat Crossing	-	254	28	CL-016
W-A070a	Pittsylvania	Norfolk	36.757744	-79.418935	PEM	03010105	Timber Mat Crossing	1,036	-	115	CL-016
W-A070b	Pittsylvania	Norfolk	36.757852	-79.418825	PEM	03010105	Timber Mat Crossing	356	-	40	CL-016
W-A070c	Pittsylvania	Norfolk	36.757703	-79.418798	PFO	03010105	Pipeline ROW	-	4,166	1,543	CL-016
W-A071b	Pittsylvania	Norfolk	36.632551	-79.543389	PSS	03010103	Mat Travel Lane/Maintenance	-	60	7	CL-042
W-A072	Pittsylvania	Norfolk	36.78339	-79.388961	PFO	03010105	Mat Travel Lane/Maintenance	-	87	10	CL-010
W-A073a	Pittsylvania	Norfolk	36.774698	-79.399031	PEM	03010105	Pipeline ROW	11,866	-	4,395	CL-012
W-A073b	Pittsylvania	Norfolk	36.775	-79.398765	PFO	03010105	Pipeline ROW	-	8,311	3,078	CL-012
W-A076	Pittsylvania	Norfolk	36.657575	-79.517488	PEM	03010103	Timber Mat Crossing	6	-	1	CL-037
W-A079	Pittsylvania	Norfolk	36.815033	-79.355579	PEM	03010105	Timber Mat Crossing	156	-	17	CL-03, 04; AR-007
W-A081	Pittsylvania	Norfolk	36.698694	-79.476488	PEM	03010103	Timber Mat Crossing	95	-	11	CL-028
W-B013a	Pittsylvania	Norfolk	36.541866	-79.632567	PEM	03010103	Timber Mat Crossing	757	-	84	CL-061
W-B013b	Pittsylvania	Norfolk	36.541802	-79.632478	PFO	03010103	Pipeline ROW	-	6,263	2,320	CL-061

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W-B014	Pittsylvania	Norfolk	36.544279	-79.629937	PFO	03010103	Timber Mat Travel Lane/Maintenance Corridor/ Secondary Impact	-	1,760	107	CL-061
W-B015	Pittsylvania	Norfolk	36.552492	-79.621731	PFO	03010103	Timber Mat Crossing	-	186	21	CL-058; AR-048
W-B016	Pittsylvania	Norfolk	36.551078	-79.616184	PFO	03010103	Temporary Access Road	-	8,777	975	AR-047
W-B017	Pittsylvania	Norfolk	36.557813	-79.616489	PEM	03010103	Pipeline ROW	2,624	-	972	CL-058
W-B019	Pittsylvania	Norfolk	36.561926	-79.612988	PEM	03010103	Pipeline ROW	4,901	-	1,815	CL-057
W-B020	Pittsylvania	Norfolk	36.565514	-79.613474	PSS	03010103	Pipeline ROW	-	5,438	2,014	CL-057
W-B021	Pittsylvania	Norfolk	36.584726	-79.598867	PFO	03010103	Temporary Access Road	-	1,226	136	AR-044
W-B022	Pittsylvania	Norfolk	36.572367	-79.60615	PFO	03010103	Timber Mat Travel Lane/Maintenance	-	1,442	160	CL-055
W-B023	Pittsylvania	Norfolk	36.586795	-79.586963	PFO	03010103	Pipeline ROW/Secondary Impact	-	1,517	547	CL-052
W-B024	Pittsylvania	Norfolk	36.585648	-79.588213	PEM	03010103	Timber Mat Crossing	505	-	56	CL-052
W-B035	Pittsylvania	Norfolk	36.582779	-79.591983	PFO	03010103	Timber Mat Crossing	-	63	7	CL, 053
W-B036a	Pittsylvania	Norfolk	36.58751	-79.586176	PFO	03010103	Pipeline ROW/Secondary Impact	-	2,046	450	CL-051, 052
W-B036b	Pittsylvania	Norfolk	36.58723	-79.586598	PEM	03010103	Pipeline ROW	3,475	-	1,287	CL-051, 052
W-B037b	Pittsylvania	Norfolk	36.590298	-79.583194	PFO	03010103	Timber Mat Crossing	-	48	5	CL-051
W-B038a	Pittsylvania	Norfolk	36.595989	-79.576949	PEM	03010103	Pipeline ROW	3,303	-	1,223	CL-050; AR-043
W-B038b	Pittsylvania	Norfolk	36.595888	-79.57694	PFO	03010103	Pipeline ROW	-	4,503	1,668	CL-050
W-B038c	Pittsylvania	Norfolk	36.595719	-79.577293	PEM	03010103	Timber Mat Crossing	3,746	-	416	CL-050
W-B039b	Pittsylvania	Norfolk	36.598727	-79.574286	PFO	03010103	Timber Mat Travel Lane/Maintenance Corridor/ Secondary Impact	-	3,431	177	CL-049
W-B041	Pittsylvania	Norfolk	36.603225	-79.570394	PSS	03010103	Pipeline ROW	-	543	201	CL-048; AR-042
W-B042a	Pittsylvania	Norfolk	36.60617	-79.568044	PEM	03010103	Timber Mat Crossing	2,609	-	290	CL-048; AR-040
W-B042b	Pittsylvania	Norfolk	36.606032	-79.568002	PSS	03010103	Pipeline ROW	-	3,364	1,246	CL-048; AR-040
W-B043	Pittsylvania	Norfolk	36.61388	-79.562342	PFO	03010103	Pipeline ROW	-	1,922	712	CL-046
W-B049	Pittsylvania	Norfolk	36.566556	-79.61251	PFO	03010103	Timber Mat Travel Lane/Maintenance	-	740	82	CL-056, 057
W-B050	Pittsylvania	Norfolk	36.561401	-79.613187	PEM	03010103	Timber Mat Crossing	176	-	20	CL-057
W-F002a	Pittsylvania	Norfolk	36.588715	-79.584987	PEM	03010103	Timber Mat Crossing	238	-	26	CL-051
W-F002b	Pittsylvania	Norfolk	36.588681	-79.584935	PFO	03010103	Timber Mat Crossing	-	764	85	CL-051
W-G001a	Pittsylvania	Norfolk	36.551286	-79.614259	PEM	03010103	Temporary Access Road	1,203	-	134	AR-047
W-G002b	Pittsylvania	Norfolk	36.550963	-79.614042	PFO	03010103	Temporary Access Road	-	67	7	AR-047

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<u>a/</u> Shown in decimal degrees. <u>b/</u> PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub; PFO = Palustrine Forested <u>c/</u> Pipeline right-of-way (ROW) is based on wetlands that cross the pipeline within the 75-foot-wide permanent and temporary easements. Timber mat crossings are based on wetlands that do not cross the pipeline within the 75-foot-wide permanent and temporary easements. ATWS = additional temporary workspace. <u>d/</u> Construction of access roads will not result in impacts to tidal wetlands or wetlands adjacent to tidal waters. Temporary impacts include the area of PEM wetlands that are within the limits of disturbance; impact square feet are rounded to the nearest whole number. <u>e/</u> Permanent conversion impacts include the area of PFO/PSS wetlands that are within the limits of disturbance. <u>f/</u> Temporary fill discharge into Waters of the U.S.; cubic yards rounded to the nearest whole number. Temporary fill volume includes a 10-foot depth of fill for wetlands crossed by the pipeline and a 3-foot depth of fill for wetlands not crossed by the pipeline											