

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAs) AND DELIVERED ALLOCATIONS (DAs)
Potomac, Shenandoah River Basin – Total Nitrogen.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall Number	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	54,820	0.33	18,091	1/1/2017	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	21,383	1/1/2017	-	
Fishersville STP	VA0025291	-	501	4.00	48,729	0.10	4,873	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	48,729	0.05	2,436	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	82,839	0.10	8,284	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	6,091	0.24	1,462	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	6,091	0.24	1,462	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	6,091	0.24	1,462	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	6,091	0.24	1,462	-	A	
Greenville STP	VA0090417	-	505	0.25	14,238	0.10	1,424	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	8,543	0.10	854	-	B	
Vesper View STP	VA0067962	-	507	0.10	5,695	0.18	1,025	-	B	
Harriston STP	VA0027901	-	508	0.10	5,695	0.18	1,025	-	B	
Invista-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	78,941	0.14	11,052	1/1/2017	A	
Luray STP	VA0062642	VAN010006	500	1.60	19,492	0.42	8,187	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	18,273	0.33	6,030	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	18,273	0.33	6,030	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	43,835	0.33	14,466	1/1/2017	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	253,391	0.22	55,746	1/1/2017	A	
Alma Plant	VA0001961	VAN010008	500	1.00	18,273	0.33	6,030	1/1/2017	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	27,410	0.13	3,563	1/1/2017	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	48,729	0.14	6,822	1/1/2017	A	
Berryville STP	VA0020532	VAN010040	500	0.70	8,528	0.63	5,373	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	48,729	0.61	29,725	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	48,729	0.61	29,725	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAN010011	500	1.70	31,065	0.35	10,873	1/1/2017	A	
Mt. Jackson STP	VA0026441	VAN010012	500	0.70	8,528	0.34	2,900	1/1/2017	A	
Town of Broadway Regional WWTF	VA0090263	VAN010062	500	2.92	29,481	0.19	5,601	1/1/2017	A	(3)
Stoney Creek S.D. STP	VA0028380	VAN010015	500	0.60	8,259	0.35	2,891	1/1/2017	A	(4)
Strasburg STP	VA0020311	VAN010102	500	0.98	11,939	0.43	5,134	1/1/2017	A	
Strasburg STP	VA0020311	VAN010102	500	2.00	11,939	0.43	5,134	(1)	A	
Woodstock STP	VA0026468	VAN010094	500	2.00	24,364	0.35	8,527	1/1/2017	A	
Frederick-Winchester SA Aggregate	-	VAN010057	500	-	-	-	47,518	1/1/2017		
Opequon WRF	VA0065552	-	501	12.60	121,851	0.26	31,681	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	60,911	0.26	15,837	-	A	
Crooked Run STP	VA0080080	-	503	0.375	3,807	0.63	2,398	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	3,807	0.63	2,398	(1)	B	
Purcellville-Basham Simms WWTF	VA0022802	VAN010016	500	1.50	18,273	0.72	13,157	1/1/2017	A	
LCSA-Broad Run WRF	VA0091383	VAN010017	500	11.00	134,005	0.89	119,264	1/1/2017	A	
Leesburg WPCF	VA0092282	VAN010061	500	10.00	121,822	0.80	97,458	1/1/2017	A	
Round Hill WWTP	VA0026212	VAN010093	500	0.75	9,137	0.72	6,579	1/1/2017	A	
Virginia American Water Prince William Aggregate	-	VAN010058	500	-	-	-	84,058	1/1/2017		
Virginia American Water Prince William-Section #1	VA0024724	-	501	4.60	42,029	1.00	42,029	-	A	
Virginia American Water Prince William-Section #8	VA0024678	-	502	4.60	42,029	1.00	42,029	-	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAN010018	500	24.00	219,280	1.00	219,280	1/1/2017	A	
Upper Occoquan S.A. WWTP	VA0024988	VAN010019	500	54.00	1,315,682	0.23	302,607	1/1/2017	A	
FCW&SA-Vint Hill WWTF	VA0020460	VAN010020	500	0.95	11,573	0.05	579	1/1/2017	A	
Alexandria S.A. WWTP	VA0025160	VAN010059	500	54.00	493,381	1.00	493,381	1/1/2017	A	
Arlington Co. WPCF	VA0025143	VAN010021	500	40.00	365,467	1.00	365,467	1/1/2017	A	
Fairfax Co.-Noman-Cole PCF	VA0025364	VAN010022	500	67.00	612,158	1.00	612,158	1/1/2017	A	
USMC-Quantico Mainside WWTF	VA0028363	VAN010043	500	2.20	20,101	1.00	20,101	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	10.00	73,093	1.00	73,093	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	12.00	73,093	1.00	73,093	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Colonial Beach STP	VA0026409	VAN010099	500	2.00	18,273	1.00	18,273	1/1/2017	A	
King George County - Potomac River Aggregate	-	VAN010060	500	-	-	-	12,060	1/1/2017	A	
Dahlgren S.D. WWTP	VA0026514	-	501	1.00	9,137	1.00	9,137	-	A	
Purkins Corner WWTP	VA0070106	-	502	0.12	1,096	1.00	1,096	-	A	
Fairview Beach STP	VA0092134	-	503	0.20	1,827	1.00	1,827	-	A	
USNSWC-Dahlgren WWTF	VA0021067	VAN010041	500	0.72	6,578	1.00	6,578	1/1/2017	A	
Boyce WWTP	VA0085171	VAN010107	500	0.099	2,848	0.63	1,794	1/1/2017	B	
Middleburg WWTP	VA0024775	VAN010120	500	0.25	7,973	0.05	399	1/1/2017	B	
Middletown STP	VA0020982	VAN010121	500	0.40	14,238	0.43	6,122	1/1/2017	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.32	13,668	0.37	5,057	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	2,278	0.63	1,435	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	2,278	0.63	1,435	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	2,278	0.63	1,435	(1)	B	
Christendom College STP	VA0067067	VAN010131	500	0.05	1,424	0.63	897	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	14,238	0.85	12,102	1/1/2017	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	19,313	0.19	3,669	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	19,313	0.19	3,669	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	2,278	0.63	1,435	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	2,278	0.63	1,435	(1)	B	
Shenandoah County North Fork	VA0090328	VAN010014	500	0.75	5,696	0.34	1,937	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.40	17,088	0.33	5,639	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	17,088	0.33	5,639	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	22,784	0.33	7,519	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	22,784	0.33	7,519	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	10,651	0.33	3,515	(1)	B	
Potomac River Basin Totals					4,785,846		2,765,192			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720).

B = Permitted design capacity.

C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAs) AND DELIVERED ALLOCATIONS (DAs)

Potomac, Shenandoah River Basin – Total Phosphorus.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	4,112	0.54	2,220	1/1/2017	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	10,012	1/1/2017	-	
Fishersville STP	VA0025291	-	501	4.00	3,655	0.54	1,974	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	3,655	0.54	1,974	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	6,213	0.54	3,355	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	457	0.53	242	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	457	0.53	242	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	457	0.53	242	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	457	0.53	242	-	A	
Greenville STP	VA0090417	-	505	0.25	1,903	0.54	1,028	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	1,142	0.54	617	-	B	
Vesper View STP	VA0067962	-	507	0.10	761	0.54	411	-	B	
Harriston STP	VA0027901	-	508	0.10	761	0.54	411	-	B	
Invista-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	1,009	0.54	545	1/1/2017	A	
Luray STP	VA0062642	VAN010006	500	1.60	1,462	0.54	789	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	1,371	0.53	727	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	1,371	0.53	727	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	4,384	0.54	2,367	1/1/2017	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	19,004	0.54	10,262	1/1/2017	A	
Alma Plant	VA0001961	VAN010008	500	1.00	914	0.53	484	1/1/2017	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	1,371	0.53	727	1/1/2017	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	3,655	0.54	1,974	1/1/2017	A	
Berryville STP	VA0020532	VAN010040	500	0.70	640	0.53	339	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	3,655	0.54	1,974	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	3,655	0.54	1,974	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAN010011	500	1.70	1,553	0.54	839	1/1/2017	A	
Mt. Jackson STP	VA0026441	VAN010012	500	0.70	640	0.53	339	1/1/2017	A	
Town of Broadway Regional WWTF	VA0090263	VAN010062	500	2.92	2,211	0.53	1,172	1/1/2017	A	(3)
Stoney Creek S.D. STP	VA0028380	VAN010015	500	0.60	667	0.53	354	1/1/2017	A	(4)
Strasburg STP	VA0020311	VAN010102	500	0.98	895	0.53	474	1/1/2017	A	
Strasburg STP	VA0020311	VAN010102	500	2.00	895	0.53	474	(1)	A	
Woodstock STP	VA0026468	VAN010094	500	2.00	1,827	0.54	987	1/1/2017	A	
Frederick-Winchester SA Aggregate	-	VAN010057	500	-	-	-	8,684	1/1/2017	-	
Opequon WRF	VA0065552	-	501	12.60	11,512	0.54	6,217	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	4,568	0.54	2,467	-	A	
Crooked Run STP	VA0080080	-	503	0.375	1,903	0.54	1,028	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	1,903	0.54	1,028	(1)	B	
Purcellville-Basham Simms WWTF	VA0022802	VAN010016	500	1.50	1,371	0.53	727	1/1/2017	A	
LCSA-Broad Run WRF	VA0091383	VAN010017	500	11.00	3,350	0.54	1,809	1/1/2017	A	
Leesburg WPCF	VA0092282	VAN010061	500	10.00	9,137	0.54	4,934	1/1/2017	A	
Round Hill WWTP	VA0026212	VAN010093	500	0.75	685	0.53	363	1/1/2017	A	
Virginia American Water Prince William Aggregate	-	VAN010058	500	-	-	-	5,044	1/1/2017	-	
Virginia American Water Prince William- Section #1	VA0024724	-	501	4.60	2,522	1.00	2,522	(1)	A	
Virginia American Water Prince William- Section #8	VA0024678	-	502	4.60	2,522	1.00	2,522	(1)	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAN010018	500	24.00	13,157	1.00	13,157	1/1/2017	A	
Upper Occoquan S.A. WWTP	VA0024988	VAN010019	500	54.00	16,446	0.30	4,934	1/1/2017	A	
FCW&SA-Vint Hill WWTF	VA0020460	VAN010020	500	0.95	868	0.17	148	1/1/2017	A	
Alexandria S.A. WWTP	VA0025160	VAN010059	500	54.00	29,603	1.00	29,603	1/1/2017	A	
Arlington Co. WPCF	VA0025143	VAN010021	500	40.00	21,928	1.00	21,928	1/1/2017	A	
Fairfax Co.-Norman-Cole PCF	VA0025364	VAN010022	500	67.00	36,729	1.00	36,729	1/1/2017	A	
USMC-Quantico Mainside WWTF	VA0028363	VAN010043	500	2.20	1,206	1.00	1,206	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	10.00	4,386	1.00	4,386	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	12.00	4,386	1.00	4,386	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Colonial Beach STP	VA0026409	VAN010099	500	2.00	1,827	1.00	1,827	1/1/2017	A	
King George County - Potomac River Aggregate	-	VAN010060	500	-	-	-	1,199	1/1/2017	A	
Dahlgren S.D. WWTP	VA0026514	-	501	1.00	914	1.00	914	-	A	
Purkins Corner WWTP	VA0070106	-	502	0.12	110	0.96	106	-	A	
Fairview Beach STP	VA0092134	-	503	0.20	183	0.98	179	-	A	
USNSWC-Dahlgren WWTF	VA0021067	VAN010041	500	0.72	658	0.99	651	1/1/2017	A	
Boyce WWTP	VA0085171	VAN010107	500	0.099	381	0.54	206	1/1/2017	B	
Middleburg WWTP	VA0024775	VAN010120	500	0.25	1,066	0.17	181	1/1/2017	B	
Middletown STP	VA0020982	VAN010121	500	0.40	1,903	0.54	1,028	1/1/2017	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.32	1,827	0.54	987	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	305	0.54	165	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	305	0.54	165	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	305	0.54	165	(1)	B	
Christendom College STP	VA0067067	VAN010131	500	0.05	190	0.54	103	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	1,903	0.54	1,028	1/1/2017	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	1,618	0.54	874	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	1,618	0.54	874	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	305	0.54	165	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	305	0.54	165	(1)	B	
Shenandoah County North Fork	VA0090328	VAN010014	500	0.75	761	0.53	404	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.40	2,284	0.54	1,234	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	2,284	0.54	1,234	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	3,046	0.54	1,645	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	3,046	0.54	1,645	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	1,424	0.54	769	(1)	B	
Potomac River Basin Totals					248,493		182,639			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720).

B = Permitted design capacity.

C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAs) AND DELIVERED ALLOCATIONS (DAs)
Potomac, Shenandoah River Basin – Total Nitrogen.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall Number	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	54,820	0.22	12,060	1/1/2021	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	12,889	1/1/2021	-	
Fishersville STP	VA0025291	-	501	4.00	48,729	0.06	2,924	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	48,729	0.03	1,462	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	82,839	0.06	4,970	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	6,091	0.15	914	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	6,091	0.15	914	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	6,091	0.15	914	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	6,091	0.15	914	-	A	
Greenville STP	VA0090417	-	505	0.25	14,238	0.06	854	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	8,543	0.06	513	-	B	
Vesper View STP	VA0067962	-	507	0.10	5,695	0.11	626	-	B	
Harriston STP	VA0027901	-	508	0.10	5,695	0.11	626	-	B	
Invista-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	78,941	0.08	6,315	1/1/2021	A	
Luray STP	VA0062642	VAN010006	500	1.60	19,492	0.33	6,432	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	18,273	0.22	4,020	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	18,273	0.22	4,020	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	43,835	0.22	9,644	1/1/2021	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	253,391	0.14	35,475	1/1/2021	A	
Alma Plant	VA0001961	VAN010008	500	1.00	18,273	0.22	4,020	1/1/2021	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	27,410	0.08	2,193	1/1/2021	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	48,729	0.08	3,898	1/1/2021	A	
Berryville STP	VA0020532	VAN010040	500	0.70	8,528	0.52	4,435	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	48,729	0.50	24,365	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	48,729	0.50	24,365	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAN010011	500	1.70	31,065	0.25	7,766	1/1/2021	A	
Mt. Jackson STP	VA0026441	VAN010012	500	0.70	8,528	0.25	2,132	1/1/2021	A	
Town of Broadway Regional WWTF	VA0090263	VAN010062	500	2.92	29,481	0.12	3,538	1/1/2021	A	(3)
Stoney Creek S.D. STP	VA0028380	VAN010015	500	0.60	8,259	0.25	2,065	1/1/2021	A	(4)
Strasburg STP	VA0020311	VAN010102	500	0.98	11,939	0.34	4,059	1/1/2021	A	
Strasburg STP	VA0020311	VAN010102	500	2.00	11,939	0.34	4,059	(1)	A	
Woodstock STP	VA0026468	VAN010094	500	2.00	24,364	0.25	6,091	1/1/2021	A	
Frederick-Winchester SA Aggregate	-	VAN010057	500	-	-	-	40,360	1/1/2021	-	
Opequon WRF	VA0065552	-	501	12.60	121,851	0.21	25,589	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	60,911	0.21	12,791	-	A	
Crooked Run STP	VA0080080	-	503	0.375	3,807	0.52	1,980	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	3,807	0.52	1,980	(1)	B	
Purcellville-Basham Simms WWTF	VA0022802	VAN010016	500	1.50	18,273	0.46	8,406	1/1/2021	A	
LCSA-Broad Run WRF	VA0091383	VAN010017	500	11.00	134,005	0.82	109,884	1/1/2021	A	
Leesburg WPCF	VA0092282	VAN010061	500	10.00	121,822	0.64	77,966	1/1/2021	A	
Round Hill WWTP	VA0026212	VAN010093	500	0.75	9,137	0.46	4,203	1/1/2021	A	
Virginia American Water Prince William Aggregate	-	VAN010058	500	-	-	-	84,058	1/1/2021	-	
Virginia American Water Prince William- Section #1	VA0024724	-	501	4.60	42,029	1.00	42,029	-	A	
Virginia American Water Prince William- Section #8	VA0024678	-	502	4.60	42,029	1.00	42,029	-	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAN010018	500	24.00	219,280	1.00	219,280	1/1/2021	A	
Upper Occoquan S.A. WWTP	VA0024988	VAN010019	500	54.00	1,315,682	0.23	302,607	1/1/2021	A	
FCW&SA-Vint Hill WWTF	VA0020460	VAN010020	500	0.95	11,573	0.05	579	1/1/2021	A	
Alexandria S.A. WWTP	VA0025160	VAN010059	500	54.00	493,381	1.00	493,381	1/1/2021	A	
Arlington Co. WPCF	VA0025143	VAN010021	500	40.00	365,467	1.00	365,467	1/1/2021	A	
Fairfax Co.-Noman-Cole PCF	VA0025364	VAN010022	500	67.00	612,158	1.00	612,158	1/1/2021	A	
USMC-Quantico Mainside WWTF	VA0028363	VAN010043	500	2.20	20,101	1.00	20,101	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	10.00	73,093	1.00	73,093	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	12.00	73,093	1.00	73,093	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Colonial Beach STP	VA0026409	VAN010099	500	2.00	18,273	1.00	18,273	1/1/2021	A	
King George County - Potomac River Aggregate	-	VAN010060	500	-	-	-	12,060	1/1/2021	A	
Dahlgren S.D. WWTP	VA0026514	-	501	1.00	9,137	1.00	9,137	-	A	
Purkins Corner WWTP	VA0070106	-	502	0.12	1,096	1.00	1,096	-	A	
Fairview Beach STP	VA0092134	-	503	0.20	1,827	1.00	1,827	-	A	
USNSWC-Dahlgren WWTF	VA0021067	VAN010041	500	0.72	6,578	1.00	6,578	1/1/2021	A	
Boyce WWTP	VA0085171	VAN010107	500	0.099	2,848	0.52	1,481	1/1/2021	B	
Middleburg WWTP	VA0024775	VAN010120	500	0.25	7,973	0.46	3,668	1/1/2021	B	
Middletown STP	VA0020982	VAN010121	500	0.40	14,238	0.34	4,841	1/1/2021	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.32	13,668	0.32	4,374	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	2,278	0.52	1,185	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	2,278	0.52	1,185	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	2,278	0.52	1,185	(1)	B	
Christendom College STP	VA0067067	VAN010131	500	0.05	1,424	0.52	740	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	14,238	0.73	10,394	1/1/2021	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	19,313	0.12	2,318	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	19,313	0.12	2,318	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	2,278	0.52	1,185	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	2,278	0.52	1,185	(1)	B	
Shenandoah County North Fork	VA0090328	VAN010014	500	0.75	5,696	0.25	1,424	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.40	17,088	0.22	3,759	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	17,088	0.22	3,759	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	22,784	0.22	5,012	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	22,784	0.22	5,012	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	10,651	0.22	2,343	(1)	B	
Potomac River Basin Totals					4,790,603		2,642,573			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720).

B = Permitted design capacity.

C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAs) AND DELIVERED ALLOCATIONS (DAs)

Potomac, Shenandoah River Basin – Total Phosphorus.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	4,112	0.47	1,933	1/1/2021	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	8,717	1/1/2021	-	
Fishersville STP	VA0025291	-	501	4.00	3,655	0.47	1,718	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	3,655	0.47	1,718	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	6,213	0.47	2,920	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	457	0.47	215	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	457	0.47	215	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	457	0.47	215	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	457	0.47	215	-	A	
Greenville STP	VA0090417	-	505	0.25	1,903	0.47	894	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	1,142	0.47	537	-	B	
Vesper View STP	VA0067962	-	507	0.10	761	0.47	358	-	B	
Harriston STP	VA0027901	-	508	0.10	761	0.47	358	-	B	
Invista-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	1,009	0.47	474	1/1/2021	A	
Luray STP	VA0062642	VAN010006	500	1.60	1,462	0.47	687	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	1,371	0.47	644	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	1,371	0.47	644	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	4,384	0.47	2,060	1/1/2021	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	19,004	0.47	8,932	1/1/2021	A	
Alma Plant	VA0001961	VAN010008	500	1.00	914	0.47	430	1/1/2021	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	1,371	0.47	644	1/1/2021	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	3,655	0.47	1,718	1/1/2021	A	
Berryville STP	VA0020532	VAN010040	500	0.70	640	0.47	301	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	3,655	0.47	1,718	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	3,655	0.47	1,718	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAN010011	500	1.70	1,553	0.47	730	1/1/2021	A	
Mt. Jackson STP	VA0026441	VAN010012	500	0.70	640	0.47	301	1/1/2021	A	
Town of Broadway Regional WWTF	VA0090263	VAN010062	500	2.92	2,211	0.47	1,039	1/1/2021	A	(3)
Stoney Creek S.D. STP	VA0028380	VAN010015	500	0.60	667	0.47	313	1/1/2021	A	(4)
Strasburg STP	VA0020311	VAN010102	500	0.98	895	0.47	421	1/1/2021	A	
Strasburg STP	VA0020311	VAN010102	500	2.00	895	0.47	421	(1)	A	
Woodstock STP	VA0026468	VAN010094	500	2.00	1,827	0.47	859	1/1/2021	A	
Frederick-Winchester SA Aggregate	-	VAN010057	500	-	-	-	8,452	1/1/2021	-	
Opequon WRF	VA0065552	-	501	12.60	11,512	0.47	5,411	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	4,568	0.47	2,147	-	A	
Crooked Run STP	VA0080080	-	503	0.375	1,903	0.47	894	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	1,903	0.47	894	(1)	B	
Purcellville-Basham Simms WWTF	VA0022802	VAN010016	500	1.50	1,371	0.47	644	1/1/2021	A	
LCSA-Broad Run WRF	VA0091383	VAN010017	500	11.00	3,350	0.47	1,575	1/1/2021	A	
Leesburg WPCF	VA0092282	VAN010061	500	10.00	9,137	0.47	4,294	1/1/2021	A	
Round Hill WWTP	VA0026212	VAN010093	500	0.75	685	0.47	322	1/1/2021	A	
Virginia American Water Prince William Aggregate	-	VAN010058	500	-	-	-	5,044	1/1/2021	-	
Virginia American Water Prince William- Section #1	VA0024724	-	501	4.60	2,522	1.00	2,522	(1)	A	
Virginia American Water Prince William- Section #8	VA0024678	-	502	4.60	2,522	1.00	2,522	(1)	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAN010018	500	24.00	13,157	1.00	13,157	1/1/2021	A	
Upper Occoquan S.A. WWTP	VA0024988	VAN010019	500	54.00	16,446	0.31	5,098	1/1/2021	A	
FCW&SA-Vint Hill WWTF	VA0020460	VAN010020	500	0.95	868	0.17	148	1/1/2021	A	
Alexandria S.A. WWTP	VA0025160	VAN010059	500	54.00	29,603	1.00	29,603	1/1/2021	A	
Arlington Co. WPCF	VA0025143	VAN010021	500	40.00	21,928	1.00	21,928	1/1/2021	A	
Fairfax Co.-Norman-Cole PCF	VA0025364	VAN010022	500	67.00	36,729	1.00	36,729	1/1/2021	A	
USMC-Quantico Mainside WWTF	VA0028363	VAN010043	500	2.20	1,206	1.00	1,206	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	10.00	4,386	1.00	4,386	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	12.00	4,386	1.00	4,386	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Colonial Beach STP	VA0026409	VAN010099	500	2.00	1,827	1.00	1,827	1/1/2021	A	
King George County - Potomac River Aggregate	-	VAN010060	500	-	-	-	1,207	1/1/2021	A	
Dahlgren S.D. WWTP	VA0026514	-	501	1.00	914	1.00	914	-	A	
Purkins Corner WWTP	VA0070106	-	502	0.12	110	1.00	110	-	A	
Fairview Beach STP	VA0092134	-	503	0.20	183	1.00	183	-	A	
USNSWC-Dahlgren WWTF	VA0021067	VAN010041	500	0.72	658	1.00	658	1/1/2021	A	
Boyce WWTP	VA0085171	VAN010107	500	0.099	381	0.47	179	1/1/2021	B	
Middleburg WWTP	VA0024775	VAN010120	500	0.25	1,066	0.47	501	1/1/2021	B	
Middletown STP	VA0020982	VAN010121	500	0.40	1,903	0.47	894	1/1/2021	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.32	1,827	0.47	859	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	305	0.47	143	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	305	0.47	143	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	305	0.47	143	(1)	B	
Christendom College STP	VA0067067	VAN010131	500	0.05	190	0.47	89	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	1,903	0.47	894	1/1/2021	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	1,618	0.47	760	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	1,618	0.47	760	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	305	0.47	143	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	305	0.47	143	(1)	B	
Shenandoah County North Fork	VA0090328	VAN010014	500	0.75	761	0.47	358	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.40	2,284	0.47	1,073	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	2,284	0.47	1,073	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	3,046	0.47	1,432	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	3,046	0.47	1,432	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	1,424	0.47	669	(1)	B	
Potomac River Basin Totals					250,515		176,196			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720).

B = Permitted design capacity.

C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.