

2017 Nutrient Trades Report

§ 62.1-44.19:18.E. of the State Water Control Law requires that by July 1st of each year, DEQ publish notice of all nitrogen and phosphorus credit exchanges and purchases for the previous calendar year and make all documents relating to the exchanges and purchases available to any person requesting them.

For calendar year 2017 all but 21 registrants under the Watershed General Virginia Pollutant Discharge Elimination System Permit (9 VAC 25-820-70) met their wasteload allocations without the need for trading. All 21 facilities that exceeded their Total Nitrogen and/or Total Phosphorus wasteload allocations acquired enough credits to meet their compliance needs. An adequate supply of credits was available in every basin.

2017 Total Nitrogen Credit Transfers

Basin	Facility	Individual VPDES Permit No.	General Permit Registration No.	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	2017 Discharged TN (lbs)	2017 Delivered TN (lbs)	2017 Delivered TN Exceedance (lbs)	2017 Delivered TN Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	48,729	0.61	29,725	64,619	39,418	9,693	9,693	VNCEA
Potomac	Mt. Jackson STP	VA0026441	VAN010012	8,528	0.34	2,900	21,144	7,189	4,289	4,289	VNCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	18,273	0.33	6,030	19,146	6,318	288	288	VNCEA
Rappahannock	HRSD-Urbanna	VA0026263	VAN020034	1,218	1.00	1,218	3,080	3,080	1,862	1,862	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	1,584	0.74	1,172	2,166	1,603	431	431	VNCEA
York	WestRock CP LLC- West Point	VA0003115	VAN030049	259,177	1.00	259,177	269,168	269,168	9,991	9,991	VNCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	350,239	1.00	350,239	562,631	562,631	212,392	6,886	VNCEA
										205,506	VAN040080
James	Lake Monticello STP	VA0024945	VAN040074	18,182	0.67	12,182	69,102	46,298	34,116	34,116	VNCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	201,080	1.00	201,080	219,104	219,104	18,024	18,024	VNCEA
James	Greif Inc.	VA0006408	VAN040073	73,246	0.65	47,610	83,754	54,440	6,830	6,830	VNCEA
James	Covington STP	VA0025542	VAN040065	54,820	0.21	11,512	76,495	16,064	4,552	4,552	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	41,115	0.56	23,024	45,393	25,420	2,396	2,396	VNCEA
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	1,218	1.00	1,218	2,271	2,271	1,053	1,053	VAN050005
Eastern Shore	Riverside Shore Memorial Hospital	VA0027537	VAN050003	1,218	1.00	1,218	1,475	1,475	257	257	VNCEA
Total									306,174	306,174	

Footnotes

VAN040080 = Chesterfield County Aggregate

VAN050005 = Tyson Farms Inc - Temperanceville

VNCEA = Virginia Nutrient Credit Exchange Association

2017 Total Phosphorus Credit Transfers

Basin	Facility	Individual VPDES Permit No.	General Permit Registration No.	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	2017 Discharged TP (lbs)	2017 Delivered TP (lbs)	2017 Delivered TP Exceedance (lbs)	2017 Delivered TP Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	3,655	0.54	1,974	11,265	6,083	4,109	4,109	VNCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	1,371	0.53	727	5,091	2,698	1,971	1,971	VNCEA
Potomac	Mt. Jackson STP	VA0026441	VAN010012	640	0.53	339	1,309	694	355	355	VNCEA
Potomac	VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	1,371	0.53	727	1,987	1,053	326	475	VAN010008
Potomac	Stoney Creek S.D. STP	VA0028380	VAN010015	667	0.53	354	748	396	42	42	VNCEA
Potomac	Merck (Outfall 101) ^A	VA0002178	VAN010007	4,384	0.54	2,367	2,469	1,333	0	741	VNCEA
Rappahannock	Rapidan STP	VA0090948	VAN020026	548	0.77	422	1,468	1,130	708	708	VNCEA
Rappahannock	HRSD-Urbanna	VA0026263	VAN020034	91	0.96	87	737	708	621	621	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	119	0.92	109	189	174	65	65	VNCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	6,339	1.00	6,339	13,164	13,164	6,825	6,825	VNCEA
James	AdvanSix Resins and Chemicals LLC	VA0005291	VAN040082	41,841	1.00	41,841	45,475	45,475	3,634	3,634	VNCEA
James	Lake Monticello STP	VA0024945	VAN040074	1,229	0.66	811	6,180	4,079	3,268	3,268	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	2,778	0.66	1,833	7,102	4,687	2,854	2,854	VNCEA
James	Hopewell RWTF	VA0066630	VAN040083	61,749	1.00	61,749	63,626	63,626	1,877	1,877	VNCEA
James	Dominion-Chesterfield	VA0004146	VAN040086	170	1.00	170	1,337	1,337	1,167	1,167	VAN040080
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	91	0.96	87	351	337	250	250	VAN050005
Total									28,073	28,962	

Footnotes

^A In any year when credits are available after all other exchanges within the Potomac Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for TN discharged in excess of 14,619 lbs/yr and TP discharged in excess of 1,096 lbs/yr. Credits are only generated if discharged loads are less than these same loads. This equates to a need to obtain 0 delivered lbs of TN credits and 741 delivered lbs of TP credits for 2017.

VAN010008 = Alma Plant

VAN040080 = Chesterfield County Aggregate

VAN050005 = Tyson Farms Inc - Temperanceville

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