

2016 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 2016 all but 25 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 25 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.

2016 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)	2016 Discharged TN (lbs)	2016 Delivered TN (lbs)	2016 Delivered TN Exceedance (lbs)	2016 Delivered TN Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	48,729	0.61	29,725	95,216	58,082	28,357	28,357	VNCEA
Potomac	Strasburg STP	VA0020311	VAN010102	11,939	0.43	5,134	26,880	11,558	6,424	6,424	VNCEA
Potomac	Town of Broadway Regional WWTF	VA0090263	VAN010062	29,481	0.19	5,601	35,260	6,699	1,098	1,098	VNCEA
Rappahannock	Fredericksburg WWTF	VA0025127	VAN020095	54,820	1.00	54,820	74,127	74,127	19,307	19,307	VNCEA
Rappahannock	Urbanna WWTP	VA0026263	VAN020034	1,218	1.00	1,218	2,954	2,954	1,736	1,736	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	1,584	0.74	1,172	2,043	1,512	340	340	VNCEA
Rappahannock	Reedville S.D. WWTP	VA0060712	VAN020101	2,436	1.00	2,436	2,538	2,538	102	102	VNCEA
Rappahannock	Camp Red Arrow WWTF	VA0092452	VAN020162	78	0.49	38	81	40	2	2	VNCEA
York	WestRock CP LLC- West Point	VA0003115	VAN030049	259,177	1.00	259,177	339,016	339,016	79,839	79,839	VNCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	350,239	1.00	350,239	480,597	480,597	130,358	250,404	VAN040080 VAN040081
James	Lake Monticello STP	VA0024945	VAN040074	18,182	0.67	12,182	73,833	49,468	37,286	37,286	VNCEA
James	Greif Inc.	VA0006408	VAN040073	73,246	0.65	47,610	126,488	82,217	34,607	34,607	VNCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	201,080	1.00	201,080	227,597	227,597	26,517	26,517	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	41,115	0.56	23,024	53,901	30,185	7,161	7,161	VNCEA
James	Covington STP	VA0025542	VAN040065	54,820	0.21	11,512	87,821	18,442	6,930	6,930	VNCEA
James	GP Big Island LLC	VA0003026	VAN040066	122,489	0.60	73,493	132,527	79,516	6,023	6,023	VNCEA
Eastern Shore	Shore Memorial Hospital	VA0027537	VAN050003	1,218	1.00	1,218	2,659	2,659	1,441	1,441	VNCEA
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	1,218	1.00	1,218	1,834	1,834	616	616	VNCEA
Total									388,144	508,190	

Footnotes

VAN040080 - Chesterfield County Aggregate

VAN040081 - Henrico County

VNCEA = Virginia Nutrient Credit Exchange Association

2016 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)	2016 Discharged TP (lbs)	2016 Delivered TP (lbs)	2016 Delivered TP Exceedance (lbs)	2016 Delivered TP Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	3,655	0.54	1,974	9,146	4,939	2,965	2,965	VNCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	1,371	0.53	727	5,188	2,750	2,023	2,023	VNCEA
Potomac	Strasburg STP	VA0020311	VAN010102	895	0.53	474	3,266	1,731	1,257	1,257	VNCEA
Potomac	Merck (Outfall 101) ^A	VA0002178	VAN010007	4,384	0.54	2,367	2,202	1,189	0	597	VNCEA
Potomac	Virginia Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	1,371	0.53	727	1,419	752	25	35	VAN010011
Potomac	Stoney Creek S.D. STP	VA0028380	VAN010015	667	0.53	354	672	356	2	2	VNCEA
Rappahannock	Fredericksburg WWTF	VA0025127	VAN020095	4,112	1.00	4,112	5,154	5,154	1,042	1,042	VNCEA
Rappahannock	Urbanna WWTP	VA0026263	VAN020034	91	0.96	87	652	626	539	539	VNCEA
Rappahannock	King George Co. Aggregate		VAN020056			576		956	380	478	VNCEA
	Oakland Park STP	VA0086789		128	0.97		167				
	Hopyard Farms WWTF	VA0089338		457	0.99		789				
Rappahannock	Reedville S.D. WWTP	VA0060712	VAN020101	183	0.98	179	523	513	334	334	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	119	0.92	109	156	144	35	51	VNCEA
York	WestRock CP LLC- West Point	VA0003115	VAN030049	56,038	1.00	56,038	58,635	58,635	2,597	2,597	VNCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	35,024	1.00	35,024	26,959	26,959	0	16,293	VAN040080 VAN040081
James	E. I. DuPont-Spruance	VA0004669	VAN040079	7,816	1.00	7,816	12,017	12,017	4,201	4,201	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	3,426	0.66	2,261	9,338	6,163	3,902	3,902	VNCEA
James	Lake Monticello STP	VA0024945	VAN040074	1,515	0.66	1,000	6,832	4,509	3,509	3,509	VNCEA
James	Dominion-Chesterfield	VA0004146	VAN040086	210	1.00	210	2,454	2,454	2,244	2,244	VAN040080
James	Hopewell RWTF	VA0066630	VAN040083	76,139	1.00	76,139	77,584	77,584	1,445	1,445	VNCEA
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	91	0.96	87	288	276	189	189	VNCEA
Eastern Shore	Shore Memorial Hospital	VA0027537	VAN050003	91	0.96	87	141	135	48	54	VNCEA

Total 26,737 43,757

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 597 delivered lbs of TP credits for 2016.

VAN010011 - George's Chicken, LLC.

VAN040080 - Chesterfield County Aggregate

VAN040081 - Henrico County

VNCEA = Virginia Nutrient Credit Exchange Association