

## 2019 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 2019 all but 18 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 18 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.

## 2019 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)	2019 Discharged TN (lbs)	2019 Delivered TN (lbs)	2019 Delivered TN Exceedance (lbs)	2019 Delivered TN Credits Obtained (lbs)	Source of Credits
Rappahannock	HRSD-Urbanna	VA0026263	VAN020034	1,218	1.00	1,218	2,720	2,720	1,502	1,502	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	1,584	0.74	1,172	3,058	2,263	1,091	1,091	VNCEA
York	WestRock CP LLC - West Point	VA0003115	VAN030049	259,177	1.00	259,177	320,324	320,324	61,147	61,147	VNCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	350,239	1.00	350,239	458,729	458,729	108,490	169,623	VAN040080
James	E. I. DuPont-Spruance	VA0004669	VAN040079	201,080	1.00	201,080	251,374	251,374	50,294	50,294	VNCEA
James	Lake Monticello STP	VA0024945	VAN040074	18,182	0.67	12,182	43,264	28,987	16,805	16,805	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	41,115	0.56	23,024	53,330	29,865	6,841	6,841	VNCEA
James	Greif Inc.	VA0006408	VAN040073	73,246	0.65	47,610	82,586	53,681	6,071	6,071	VNCEA
James	Covington STP	VA0025542	VAN040065	54,820	0.21	11,512	73,315	15,396	3,884	3,884	VNCEA
<b>Totals:</b>									<b>256,125</b>	<b>317,258</b>	

Footnotes:

VNCEA = Virginia Nutrient Credit Exchange Association  
 VAN040080 - Chesterfield County Aggregate

## 2019 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)	2019 Discharged TP (lbs)	2019 Delivered TP (lbs)	2019 Delivered TP Exceedance (lbs)	2019 Delivered TP Credits Obtained (lbs)	Source of Credits
Potomac	Merck (Outfall 101) <sup>A</sup>	VA0002178	VAN010007	4,384	0.54	2,367	5,703	3,080	2,488	2,488	VNCEA
Potomac	Front Royal STP	VA0062812	VAN010010	3,655	0.54	1,974	7,201	3,889	1,915	1,915	VNCEA
Potomac	Stoney Creek S.D. STP	VA0028380	VAN010015	667	0.53	354	1,015	538	184	184	VNCEA
Potomac	VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	1,371	0.53	727	1,688	895	168	168	VAN010011
Rappahannock	HRSD-Urbanna	VA0026263	VAN020034	91	0.96	87	861	827	740	740	VNCEA
Rappahannock	Rapidan STP	VA0090948	VAN020026	548	0.77	422	991	763	341	341	VNCEA
James	Hopewell RWTF	VA0066630	VAN040083	61,749	1.00	61,749	120,101	120,101	58,352	58,352	VNCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	6,339	1.00	6,339	23,134	23,134	16,795	16,795	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	2,778	0.66	1,833	8,072	5,328	3,495	3,495	VNCEA
James	Lake Monticello STP	VA0024945	VAN040074	1,229	0.66	811	4,763	3,144	2,333	2,333	VNCEA
James	Dominion-Chesterfield	VA0004146	VAN040086	170	1.00	170	848	848	678	678	VAN040080
James	Augusta Correctional Center	VA0091821	VAN040118	402	0.66	265	570	376	111	111	VAN040077
Eastern Shore	Tangier Town WWTP	VA0067423	VAN050004	91	0.96	87	157	151	64	64	VAN050005

**Totals: 87,664 87,664**

### Footnotes

<sup>A</sup> 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 2,488 delivered lbs of TP credits for 2019.

VNCEA = Virginia Nutrient Credit Exchange Association

VAN010011 - George's Chicken

VAN040080 - Chesterfield County Aggregate

VAN040077 - Powhatan Correctional Center

VAN050005 - Tyson's Temperanceville