

## 2015 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 2015 all but 22 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 22 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.

## 2015 Total Nitrogen Credit Transfers

	Facility	Individual VPDES Permit No.	General Permit Registration No.	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	2015 Discharged TN (lbs)	2015 Delivered TN (lbs)	2015 Delivered TN Exceedance (lbs)	2015 Delivered TN Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	48,729	0.67	32,648	95,980	64,307	31,659	31,659	VNCEA
Potomac	Town of Broadway Regional WWTF	VA0090263	VAN010062	29,481	0.67	19,752	61,690	41,332	21,580	21,580	VNCEA
Potomac	Strasburg STP	VA0020311	VAN010102	11,939	0.67	7,999	33,339	22,337	14,338	14,338	VNCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	18,273	0.44	8,040	23,019	10,128	2,088	2,088	VNCEA
Potomac	Merck (Outfall 101) <sup>A</sup>	VA0002178	VAN010007	43,835	0.44	19,287	28,450	12,518	0	6,086	VNCEA
Rappahannock	Fredericksburg WWTF	VA0025127	VAN020095	54,820	1.00	54,820	89,745	89,745	34,925	34,925	VNCEA
Rappahannock	Urbanna WWTP	VA0026263	VAN020034	1,218	1.00	1,218	4,685	4,685	3,467	3,467	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	1,584	1.00	1,584	4,498	4,498	2,914	2,914	VNCEA
Rappahannock	Reedville S.D. WWTP	VA0060712	VAN020101	2,436	1.00	2,436	2,820	2,820	384	384	VNCEA
James	Richmond WWTP	VA0063177	VAN040085	1,093,652	1.00	1,093,652	1,265,843	1,265,843	172,191	12,570	VNCEA
										159,621	VAN040087 <sup>B</sup>
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	350,239	1.00	350,239	441,022	441,022	90,783	165,000	VAN040080 <sup>C</sup>
										85,404	VAN040081 <sup>D</sup>
James	Hopewell RWTF	VA0066630	VAN040083	1,827,336	1.00	1,827,336	1,887,328	1,887,328	59,992	59,992	VAN040082 <sup>E</sup>
James	Lake Monticello STP	VA0024945	VAN040074	18,182	0.61	11,091	71,889	43,852	32,761	32,761	VNCEA
James	Greif Inc.	VA0006408	VAN040073	73,246	0.61	44,680	106,946	65,237	20,557	20,557	VNCEA
James	Covington STP	VA0025542	VAN040065	54,820	0.30	16,446	80,231	24,069	7,623	7,623	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	41,115	0.30	12,335	49,681	14,904	2,569	2,569	VNCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	201,080	1.00	201,080	203,530	203,530	2,450	2,450	VNCEA
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	1,218	1.00	1,218	1,615	1,615	397	397	VNCEA
Eastern Shore	Shore Memorial Hospital	VA0027537	VAN050003	1,218	1.00	1,218	2,609	2,609	1,391	1,391	VNCEA
Total									502,070	508,156	

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 6,086 delivered lbs of TN credits and 1,036 delivered lbs of TP credits for 2015.

<sup>B</sup>VAN040087= South Central Wastewater Authority

<sup>C</sup>VAN040080 = Chesterfield County Aggregate

<sup>D</sup>VAN040081 = Henrico County

<sup>E</sup>VAN040082 = Honeywell Hopewell

VNCEA = Virginia Nutrient Credit Exchange Association

## 2015 Total Phosphorus Credit Transfers

	Facility	Individual VPDES Permit No.	General Permit Registration No.	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	2015 Discharged TP (lbs)	2015 Delivered TP (lbs)	2015 Delivered TP Exceedance (lbs)	2015 Delivered TP Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	3,655	0.77	2,814	8,891	6,846	4,032	4,032	VNCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	1,371	0.77	1,055	5,202	4,006	2,951	2,951	VNCEA
Potomac	Strasburg STP	VA0020311	VAN010102	895	0.77	689	4,127	3,178	2,489	2,489	VNCEA
Potomac	Stoney Creek S.D. STP	VA0028380	VAN010015	667	0.77	514	787	606	92	92	VNCEA
Potomac	VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	1,371	0.77	1,055	1,489	1,147	91	91	VAN010011 <sup>B</sup>
Potomac	Merck (Outfall 101) <sup>A</sup>	VA0002178	VAN010007	4,384	0.77	3,376	2,442	1,880	0	1,036	VNCEA
Rappahannock	Urbanna WWTP	VA0026263	VAN020034	91	1.00	91	719	719	628	628	VNCEA
Rappahannock	Reedville S.D. WWTP	VA0060712	VAN020101	183	1.00	183	742	742	559	559	VNCEA
Rappahannock	Fredericksburg WWTF	VA0025127	VAN020095	4,112	1.00	4,112	4,316	4,316	204	204	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	119	1.00	119	224	224	105	105	VNCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	7,816	1.00	7,816	16,582	16,582	8,766	8,766	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	3,426	1.00	3,426	7,043	7,043	3,617	3,617	VNCEA
James	Lake Monticello STP	VA0024945	VAN040074	1,515	1.00	1,515	4,921	4,921	3,406	3,406	VNCEA
James	Dominion-Chesterfield (2)	VA0004146	VAN040086	210	1.00	210	2,146	2,146	1,936	1,936	VAN040080 <sup>C</sup>
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	91	1.00	91	272	272	181	181	VNCEA
Eastern Shore	Shore Memorial Hospital	VA0027537	VAN050003	91	1.00	91	123	123	32	32	VNCEA
Total									29,088	30,124	

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 6,086 delivered lbs of TN credits and 1,036 delivered lbs of TP credits for 2015.

<sup>B</sup> VAN010011 - George's Chicken, LLC.

<sup>C</sup> VAN04080 - Chesterfield County Aggregate

VNCEA = Virginia Nutrient Credit Exchange Association