

2023 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 2023 all but 20 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 20 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.

2023 Total Nitrogen Credit Transfers

Basin	Facility	Individual VPDES Permit No.	General Permit Registration No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	2023 Discharged TN (lbs)	2023 Delivered TN (lbs)	2023 Delivered TN Exceedance (lbs)	2023 Delivered TN Credits Obtained (lbs)	Source of Credits
Potomac	Stoney Creek Sanitary District STP	VA0028380	VAN010015	0.60	8,259	0.25	2,065	8,870	2,218	153	153	VNCEA
Rappahannock	City of Fredericksburg WWTF	VA0025127	VAN020095	4.50	54,820	1.00	54,820	75,860	75,860	21,040	21,040	VNCEA
Rappahannock	Hampton Roads Sanitation District -Urbanna WWTP	VA0026263	VAN020034	0.10	1,218	1.00	1,218	2,608	2,608	1,390	1,390	VNCEA
York	WestRock CP LLC - West Point	VA0003115	VAN030049	23.00	259,177	1.00	259,177	284,530	284,530	25,353	25,353	VNCEA
York	Leisure Capital Corp - Shenandoah Crossing STP	VA0076678	VAN030119	0.10	2,848	0.21	598	3,280	689	91	91	VNCEA
James	GP Big Island LLC	VA0003026	VAN040066	10.87	122,489	0.60	73,493	237,132	142,279	68,786	68,786	VNCEA
James	South Central Wastewater Authority WWTF	VA0025437	VAN040087	23.00	350,239	1.00	350,239	373,625	376,328	26,089	50,000	VAN040080
James	Greif Packaging LLC	VA0006408	VAN040073	6.50	73,246	0.64	46,877	82,248	52,639	5,762	5,762	VNCEA
James	Buena Vista Public Service Authority-Buena Vista STP	VA0020991	VAN040063	2.25	41,115	0.55	22,613	50,324	27,678	5,065	5,065	VNCEA
James	City of Covington STP	VA0025542	VAN040065	3.00	54,820	0.21	11,512	61,322	12,878	1,366	1,366	VNCEA
James	Hampton Roads Bridge Tunnel I-64 Expansion	VA0093084	VAN040176	1.13	4000	1.00	4000	26,317	26,317	22,317	22,317	VAN040090
									Totals	177,411	201,323	

Footnotes

VNCEA = Virginia Nutrient Credit Exchange Association
VAN040080 - Chesterfield County
VAN040090 - HRSD James River Aggregate

2023 Total Phosphorus Credit Transfers

Basin	Facility	Individual VPDES Permit No.	General Permit Registration No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	2023 Discharged TP (lbs)	2023 Delivered TP (lbs)	2023 Delivered TP Exceedance (lbs)	2023 Delivered TP Credits Obtained (lbs)	Source of Credits	
Potomac	Merck Sharp & Dohme Corp. (Outfall 101)	VA0002178	VAN010007	1.20	4,384	0.47	2,060	9,599	4,512	2,452	2,452	VNCEA	
Potomac	Stoney Creek Sanitary District STP	VA0028380	VAN010015	0.60	667	0.47	313	1,371	644	331	331	VNCEA	
Rappahannock	Greene County - Rapidan WWTP	VA0090948	VAN020026	0.60	548	0.75	411	1,739	1,304	893	893	VNCEA	
Rappahannock	Hampton Roads Sanitation District -Urbanna WWTP	VA0026263	VAN020034	0.10	91	1.00	91	794	794	703	703	VNCEA	
York	Rapidan Service Authority - Gordonsville STP	VA0021105	VAN030046	0.94	1,145	0.53	607	1,439	763	156	156	VNCEA	
James	WestRock Virginia LLC - Covington	VA0003646	VAN040070	35.00	96,771	0.71	68,707	119,596	84,913	16,206	16,206	VNCEA	
James	DuPont Specialty Products USA LLC - Spruance Plant	VA0004669	VAN040079	23.33	6,339	1.00	6,339	19,485	19,485	13,146	13,146	VNCEA	
James	City of Lynchburg - Lynchburg Regional WWTP	VA0024970	VAN040075	22.00	27,169	0.71	19,290	34,013	24,149	4,859	4,859	VNCEA	
James	Buena Vista Public Service Authority-Buena Vista STP	VA0020991	VAN040063	2.25	2,778	0.71	1,972	6,799	4,827	2,855	2,855	VNCEA	
James	VEPCO - Dominion-Chesterfield Power Station	VA0004146	VAN040086	--	170	1.00	170	452	452	282	282	VAN040080	
James	Aqua Virginia Aggregate		VAN040178				1,058		2,588	1,530	1,530	VNCEA	
	Aqua Virginia Inc - Lake Monticello STP	VA0024945		0.995	957	0.71		3,489					
	Aqua Virginia Inc - Manakin Farms WWTP	VA0027910		0.10	533	0.71		156					
Eastern Shore	Town of Tangier WWTP (Accomack County)	VA0067423	VAN050004	0.10	91	1.00	91	154	154	63	63	VAN050005	
									Totals		43,476	43,476	

Footnotes

VNCEA = Virginia Nutrient Credit Exchange Association

VAN040080 - Chesterfield County

VAN050005 - Tyson Farms Inc - Temperanceville