

Compiled by Jack Frye, Virginia Director, Chesapeake Bay Commission
 Pages 1,3 & 4- Information from Va. Dept. of Environmental Quality available at:
<http://www.deq.virginia.gov/Programs/water/PermittingCompliance/pollutionDischargeElimination/nutrienttrading.aspx>

Virginia Credit Trading Information; page 1- Nonpoint Credit Registry of Credit Banks; page 2- Trades completed for Stormwater Post-Construction Permit Compliance; page 3- Point Source to Point Source Nitrogen Credit Trades; page 4- Point Source to Point Source Phosphorus Credit Trades (information provided by DEQ and DCR)												
Virginia Nonpoint Credit Registry - August 28, 2012												
Project Name	Urban/ Ag BMPs	Broker	County	Basin	Credits Released-lbs		Credits Used/Retired		Credits Available			
					Phosphorus	Nitrogen	Phosphorus	Nitrogen	Phosphorus	Nitrogen	Phosphorus	Nitrogen
Wildwood Properties - Appomattox	Ag land conversion	Chesapeake Bay Nutrient Land Trust	Appomattox	James	101	376	12.694	47.26	88.306	328.74		
Cranston Millpond	Urban BMP	Chesapeake Bay Nutrient Land Trust	James City	James	752	1655	5.91	13.01	746.09	1641.99		
Malvern Landbank	Ag land conversion	Balzer & Associates/Stadia Development	Powhatan	James	62.04	278.56	15.9	71.39	46.14	207.27		
Eastern Henrico Nutrient Bank	Ag land conversion	Midview Management Corp.	Henrico	James	31.08	115.81	0.00	0.00	31.08	115.81		
Rappahannock Nutrient Bank	Ag land conversion	Perdue-Barboursville, LLC	Orange	Rappahannock	81.80	260.93	0.00	0.00	81.8	260.93		
Pamunkey Farms	Ag land conversion	Falling Springs, LLC	New Kent	York	41.93	436.8	0.00	0.00	41.93	436.8		
Swiss Dixie	Ag land conversion	Stadia Development	Amelia	James	250.39	838.04	0.00	0.00	250.39	838.04		
TOTAL CREDITS-lbs					1,320.24	3,961.24	34.50	131.66	1,285.74	3,829.58		

Virginia Stormwater VPDES Permit Compliance Trades								
	Project	VSMP Permit Registration Number	Location	Project HUC	Bank	Date of Purchase	Phosphorus Credits	Nitrogen Credits
	Trafco LLC	VAR10-11-101274	Chesterfield	2080206	Malvern	8/26/2011	1.8	8.08
	Bliley's Funeral Home	VAR10-12-100392	Chesterfield	2080206	Malvern	10/3/2011	0.71	3.18
	Midlothian Middle School	VAR10-12-100327	Chesterfield	2080206	Malvern	11/1/2011	1.1	4.94
	Robious Middle School	VAR10-11-100186	Chesterfield	2080205	Malvern	11/1/2011	0.5	2.25
	Unity Christ Church of Bon Air	VAR10-10-100818	Chesterfield	2080205	Malvern	11/8/2011	0.59	2.65
	Stanley-Hull Street	VAR10-12-100945	Chesterfield	2080207	Malvern	3/12/2012	0.13	0.58
	Amazon	VAR10-12-100792	Chesterfield	2080207	Malvern	12/15/2011	2.32	10.42
	Amazon	VAR10-12-100792	Chesterfield	2080207	Malvern	12/15/2011	1.04	4.67
	Christopher Newport University	VAR10-11-101824	Newport News	2080206	Wildwood Farms	7/28/2011	1.14	4.24
	Walthall Dealership	VAR10-10-104940	Chesterfield	2080207	Wildwood Farms	11/28/2011	5.1	18.99
	Dollar General	VAR10-11-101816	Bath	2080201	Wildwood Farms	1/23/2012	0.9	3.35
	Economic Development Authority of the County of Chesterfield-Meadowville	VAR10-12-100789	Chesterfield	2080207	Malvern	11/11/2011	0.76	3.41
	Whitco- Whitten Fiat and Jeep	VAR10-12-100045	Chesterfield	2080206	Cranston Mill	4/5/2012	1.74	3.83
	Ruffin Mill Center Phase II	VAR10-12-100291	Chesterfield	2080207	Wildwood Farms	5/9/2012	5.264	19.6
	OB Gates Elementary	VAR10-12-100437	Chesterfield	2080206	Malvern	4/27/2012	1.25	5.61
	Integrated Millwork		Chesterfield	2080207	Wildwood Farms	5/14/2012	0.29	1.08
	Cordell Crossing Subdivision	VAR10-12-100057	Richmond	2080206	Malvern	12/27/2011	1.68	7.54
	Goodwill@Broadview Shopping Center	VAR10-12-103619	Goochland	2080205	Malvern	5/29/2012	0.75	3.37
	Wawa-Laburnum/Eubank Center		Henrico	2080206	Cranston Mill	7/16/2012	4.17	9.18
	TOTAL CREDITS - lbs						31.234	116.97

Point source to point source: 2011 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)	2011 Discharged TN (lbs)	2011 Delivered TN (lbs)	2011 Delivered TN Exceedance (lbs)	2011 Delivered TN Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	48,729	0.67	32,648	107,964	72,336	39,688	39,688	VNCEA
Potomac	Strasburg STP	VA0020311	VAN010102	11,939	0.67	7,999	38,854	26,032	18,033	18,033	VNCEA
Potomac	Berryville STP	VA0020532	VAN010040	8,528	0.67	5,713	32,076	21,491	15,778	15,778	VNCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	18,273	0.44	8,040	24,070	10,591	2,551	2,551	VNCEA
Potomac	Merck (Outfall 101) ¹	VA0002178	VAN010007	43,835	0.44	19,287	20,857	9,177	0	2,745	VNCEA
Rappahannock	Fredericksburg WWTF	VA0025127	VAN020095	54,820	1.00	54,820	72,465	72,465	17,645	17,645	VNCEA
Rappahannock	Urbanna WWTF	VA0026263	VAN020034	1218	1.00	1,218	3,563	3,563	2,345	2,345	VNCEA
Rappahannock	Haynesville Correctional Ctr. WWTP	VA0023469	VAN020044	2802	1.00	2,802	3,322	3,322	520	520	VAN020054 ²
York	White Birch Paper - Bear Island LLC Division	VA0029521	VAN030133	47,328	0.51	24,137	56,098	28,610	4,473	4,473	VNCEA
York	Caroline Co. Regional STP	VA0073504	VAN030045	9,137	0.42	3,837	16,426	6,899	3,062	3,062	VNCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	350,239	1.00	350,239	404,699	404,699	54,460	54,460	VNCEA
James	Lake Monticello STP	VA0024945	VAN040074	18,182	0.61	11,091	67,561	41,212	30,121	30,121	VNCEA
James	Richmond WWTP	VA0083177	VAN040085	1,096,402	1.00	1,096,402	1,107,173	1,107,173	10,771	10,771	VNCEA
James	BWX Technologies, Inc.	VA0003697	VAN040072	187,000	0.61	114,070	201,632	122,996	8,926	8,926	VNCEA
James	Chesterfield County Aggregate Falling Creek WWTP	-- VA0024996	-- --	153,801 411,151	1.00 1.00	564,952	176,307 392,386	568,693	3,741	3,741	VNCEA
James	Proctors Creek WWTP	VA0060194	--								
James	Buena Vista STP	VA0020991	VAN040063	41,115	0.30	12,335	50,358	15,107	2,772	2,772	VNCEA
James	Covington STP	VA0025542	VAN040065	54,820	0.30	16,446	60,298	18,089	1,643	1,643	VNCEA
Eastern Shore	Tyson Foods-Temperanceville	VA0004049	VAN050005	22,842	1.00	22,842	41,186	41,186	18,344	18,344	VNCEA
Eastern Shore	Cape Charles WWTP	VA0021288	VAN050001	3,046	1.00	3,046	8,887	8,887	5,841	5,841	VNCEA
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	1,218	1.00	1,218	3,199	3,199	1,981	1,981	VNCEA
Eastern Shore	Shore Memorial Hospital	VA0027537	VAN050003	1,218	1.00	1,218	2,087	2,087	869	869	VNCEA
Total									243,564	246,309	

Footnotes

¹ 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. This equates to an acquisition of 2,745 delivered lbs of TN and 2,044 delivered lbs of TP for 2011.

² VAN020054 - Culpeper County Aggregate Nutrient Discharge

VNCEA = Virginia Nutrient Credit Exchange Association

Point source to point source 2011 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)	2011 Discharged TP (lbs)	2011 Delivered TP (lbs)	2011 Delivered TP Exceedance (lbs)	2011 Delivered TP Credits Obtained (lbs)	Source of Credits
Potomac	Front Royal STP	VA0062812	VAN010010	3,655	0.77	2,814	8,996	6,927	4,113	4,113	VNCEA
Potomac	Massanutten PSC STP	VA0024732	VAN010039	1,371	0.77	1,055	6,042	4,652	3,597	3,597	VNCEA
Potomac	Berryville STP	VA0020532	VAN010040	640	0.77	492	5,114	3,938	3,446	3,446	VNCEA
Potomac	Strasburg STP	VA0020311	VAN010102	895	0.77	689	4,024	3,098	2,409	2,409	VNCEA
Potomac	USNSWC-Dahlgren WWTF	VA0021067	VAN010041	658	1.00	658	2,048	2,048	1,390	1,001	VAN010043 ²
Potomac	VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	1,371	0.77	1,055	2,373	1,827	772	704	VAN010008 ³
Potomac	Stoney Creek S.D. STP	VA0028380	VAN010015	548	0.77	422	1,213	934	512	68	VAN010011 ⁴
Potomac	Merck (Outfall 101) ¹	VA0002178	VAN010007	4,384	0.77	3,376	3,751	2,888	0	512	VNCEA
Rappahannock	Wilderness Shores WWTP	VA0083411	VAN020029	1,142	1.00	1,142	2,542	2,542	1,400	2,044	VNCEA
Rappahannock	Urbanna WWTP	VA0026263	VAN020034	91	1.00	91	307	307	216	1,400	VNCEA
Rappahannock	Haynesville Correctional Ctr. WWTP	VA0023488	VAN020044	210	1.00	210	421	421	211	211	VAN020054 ⁵
Rappahannock	Reedville S.D. WWTP	VA0060712	VAN020101	183	1.00	183	343	343	160	160	VNCEA
Rappahannock	Montross-Westmoreland WWTP	VA0072729	VAN020032	119	1.00	119	228	228	109	109	VNCEA
Rappahannock	Warsaw STP	VA0026891	VAN020036	274	1.00	274	313	313	39	39	VNCEA
James	RWSA-Moores Creek Regional STP	VA0025518	VAN040076	22,842	1.00	22,842	45,079	45,079	22,237	22,237	VNCEA
James	So. Central Wastewater Authority WWTF	VA0025437	VAN040087	35,024	1.00	35,024	44,963	44,963	9,939	9,939	VNCEA
James	Lake Monticello STP	VA0024945	VAN040074	1,515	1.00	1,515	7,150	7,150	5,635	5,635	VNCEA
James	Lynchburg STP	VA0024970	VAN040075	33,501	1.00	33,501	38,946	38,946	5,445	5,445	VNCEA
James	Buena Vista STP	VA0020991	VAN040063	3,426	1.00	3,426	8,328	8,328	4,902	4,902	VNCEA
James	E. I. DuPont-Spruance	VA0004669	VAN040079	7,816	1.00	7,816	12,393	12,393	4,577	4,577	VNCEA
James	Covington STP	VA0025542	VAN040065	4,568	1.00	4,568	8,123	8,123	3,555	3,555	VNCEA
James	Dominion-Chesterfield	VA0004146	VAN040086	210	1.00	210	1,246	1,246	1,036	1,036	VAN040080 ⁶
James	Lex.-Rock. Regional WQCF	VA0088161	VAN040068	4,568	1.00	4,568	5,040	5,040	472	472	VNCEA
James	Clifton Forge STP	VA0022772	VAN040064	3,046	1.00	3,046	3,203	3,203	157	157	VAN040069 ⁷
Eastern Shore	Cape Charles WWTP	VA0021288	VAN050001	228	1.00	228	1,143	1,143	915	915	VNCEA
Eastern Shore	Tyson Foods-Temperanceville	VA0004049	VAN050005	1,142	1.00	1,142	1,886	1,886	744	744	VNCEA
Eastern Shore	Tangier Island WWTP	VA0067423	VAN050004	91	1.00	91	341	341	250	250	VNCEA
Eastern Shore	Shore Memorial Hospital	VA0027537	VAN050003	91	1.00	91	98	98	7	7	VNCEA
Total									78,246	79,128	

Footnotes

¹ 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. This equates to an acquisition of 2,745 delivered lbs of TN and 2,044 delivered lbs of TP for 2011.

² VAN010043 - USMC Quantico Mainline WWTF

³ VAN010008 - Alma Plant

⁴ VAN010011 - Georges Chicken

⁵ VAN020054 - Culpeper County Aggregate Nutrient Discharge

⁶ VAN040080 - Chesterfield County Aggregate Nutrient Discharge

⁷ VAN040069 - Alleghany County Aggregate Nutrient Discharge

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