

9 VAC 25-720-50. Potomac - Shenandoah River Basin.

A. Total maximum daily load (TMDLs).

TMDL #	Stream Name	TMDL Title	City/ County	WBID	Pollutant	WLA	Units
1.	Muddy Creek	Nitrate TMDL Development for Muddy Creek/Dry River, Virginia	Rockingham	B21R	Nitrate	49,389.00	LB/YR
2.	Blacks Run	TMDL Development for Blacks Run and Cooks Creek	Rockingham	B25R	Sediment	32,844.00	LB/YR
3.	Cooks Creek	TMDL Development for Blacks Run and Cooks Creek	Rockingham	B25R	Sediment	69,301.00	LB/YR
4.	Cooks Creek	TMDL Development for Blacks Run and Cooks Creek	Rockingham	B25R	Phosphorus	0	LB/YR
5.	Muddy Creek	TMDL Development for Muddy Creek and Holmans Creek, Virginia	Rockingham	B22R	Sediment	286,939.00	LB/YR
6.	Muddy Creek	TMDL Development for Muddy Creek and Holmans Creek, Virginia	Rockingham	B22R	Phosphorus	38.00	LB/YR
7.	Holmans Creek	TMDL Development for Muddy Creek and Holmans Creek, Virginia	Rockingham/ Shenandoah	B45R	Sediment	78,141.00	LB/YR
8.	Mill Creek	TMDL Development for Mill Creek and Pleasant Run	Rockingham	B29R	Sediment	276.00	LB/YR

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9.	Mill Creek	TMDL Development for Mill Creek and Pleasant Run	Rockingham	B29R	Phosphorus	138.00	LB/YR
10.	Pleasant Run	TMDL Development for Mill Creek and Pleasant Run	Rockingham	B27R	Sediment	0.00	LB/YR
11.	Pleasant Run	TMDL Development for Mill Creek and Pleasant Run	Rockingham	B27R	Phosphorus	0.00	LB/YR
12.	Linville Creek	Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments	Rockingham	B46R	Sediment	5.50	TONS/YR
13.	Quail Run	Benthic TMDL for Quail Run	Rockingham	B35R	Ammonia	7,185.00	KG/YR
14.	Quail Run	Benthic TMDL for Quail Run	Rockingham	B35R	Chlorine	27.63	KG/YR
15.	Shenandoah River	Development of Shenandoah River PCB TMDL (South Fork and Main Stem)	Warren & Clarke	B41R, B55R, B57R, B58R	PCBs	179.38	G/YR
16.	Shenandoah River	Development of Shenandoah River PCB TMDL (North Fork)	Warren & Clarke	B51R	PCBs	0.00	G/YR
17.	Shenandoah River	Development of Shenandoah River PCB TMDL (Main Stem)	Warren & Clarke	WV	PCBs	179.38	G/YR
18.	Cockran Spring	Benthic TMDL Reports	Augusta	B10R	Organic Solids	1,556.00	LB/YR

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		for Six Impaired Stream Segments in the Potomac-Shenandoah and James River Basins					
19.	Lacey Spring	Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah and James River Basins	Rockingham	B47R	Organic Solids	680.00	LB/YR
20.	Orndorff Spring	Benthic TMDL Reports for Six Impaired Stream Segments in the Potomac-Shenandoah and James River Basins	Shenandoah	B52R	Organic Solids	103.00	LB/YR
21.	Toms Brook	Benthic TMDL for Toms Brook in Shenandoah County, Virginia	Shenandoah	B50R	Sediment	8.1	T/YR
22.	Goose Creek	Benthic TMDLs for the Goose Creek Watershed	Loudoun, Fauquier	A08R	Sediment	1,587	T/YR
23.	Little River	Benthic TMDLs for the Goose Creek Watershed	Loudoun	A08R	Sediment	105	T/YR
24.	Christians Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River	Augusta	B14R	Sediment	145	T/YR

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		Watersheds, Augusta County, VA					
25.	Moffett Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA	Augusta	B13R	Sediment	0	T/YR
26.	Upper Middle River	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Impaired Streams in the Middle River and Upper South River Watersheds, Augusta County, VA	Augusta	B10R	Sediment	1.355	T/YR
27.	Mossy Creek	Total Maximum Daily Load Development for Mossy Creek and Long Glade Run: Bacteria and General Standard (Benthic) Impairments	Rockingham	B19R	Sediment	0.04	T/YR
28.	Smith Creek	Total Maximum Daily Load (TMDL) Development for Smith Creek	Rockingham, Shenandoah	B47R	Sediment	353,867	LB/YR

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Potomac – Shenandoah River non-TMDL waste load allocations								
Water Body	Permit No	Facility Name	Outfall No.	Receiving Stream	River Mile	Parameter Description	WLA	Units WLA
VAV-B08R	VA0065552	Opequon Water Reclamation Facility	001	Opequon Creek	32.66	BOD5, JUN-NOV	207	KG/D
		AKA Winchester – Frederick Regional				CBOD5, DEC-MAY	1514	KG/D
VAV-B14R	VA0025291	Fishersville Regional STP	001	Christians Creek	12.36	BOD5	182	KG/D
VAV-B23R	VA0060640	North River WWTF	001	North River	15.01	CBOD5, JAN-MAY	4030 <u>700</u>	KG/D
	7.23.04	AKA Harrisonburg – Rockingham Reg. Sewer Auth.				CBOD5, JUN-DEC	606 <u>800</u>	KG/D
						TKN, JUN-DEC	303 <u>420</u>	KG/D
						TKN, JAN-MAY	545 <u>850</u>	KG/D
VAV-B32R	VA0002160	INVISTA - Waynesboro	[044 001]	South River	25.3	BOD5	272	KG/D
		Formerly Dupont - Waynesboro						
VAV-B32R	VA0025151	Waynesboro STP	001	South River	23.54	CBOD5	227	KG/D
						CBOD5, JUN-OCT	113.6	KG/D
VAV-B35R	VA0024732	Massanutten Public Service STP	001	Quail Run	5.07	BOD5	[37.85 75.7]	KG/D

Potomac – Shenandoah River non-TMDL waste load allocations								
Water Body	Permit No	Facility Name	Outfall No.	Receiving Stream	River Mile	Parameter Description	WLA	Units WLA
VAV-B37R	VA0002178	Merck & Company	001	S.F. Shenandoah River	88.09	BOD5	1570	KG/D
						AMMONIA, AS N	645.9	KG/D
VAV-B49R	VA0028380	Stoney Creek Sanitary District STP	001	Stoney Creek	19.87	BOD5, JUN-NOV	29.5	KG/D
VAV-B53R	VA0020982	Middletown STP	001	Meadow Brook	2.19	CBOD5	20.8	KG/D
VAV-B58R	VA0020532	Berryville STP	001	Shenandoah River	24.23	CBOD5	42.6	KG/D

C. Nitrogen and phosphorus waste load allocations to restore the Chesapeake Bay and its tidal rivers.

The following table presents nitrogen and phosphorus waste load allocations for the identified significant dischargers and the total nitrogen and total phosphorus waste load allocations for the listed facilities.

Virginia	Discharger Name	VPDES Permit	Total	Total
Waterbody		No.	Nitrogen	Phosphorus
ID		(TN) Waste	(TP) Waste	
		Load	Load	
		Allocation	Allocation	

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			(lbs/yr)	(lbs/yr)
B37R	Coors Brewing Company	VA0073245	54,820	4,112
B14R	Fishersville Regional STP	VA0025291	48,729	3,655
B32R	INVISTA-- Waynesboro (Outfall 101)	VA0002160	78,941	1,009
B39R	Luray STP	VA0062642	19,492	1,462
B35R	Massanutten PSA STP	VA0024732	18,273	1,371
B37R	Merck-- Stonewall WWTP (Outfall 101)	VA0002178	14,619	1,096
B12R	Middle River Regional STP	VA0064793	82,839	6,213
B23R	North River WWTF (2)	VA0060640	253,391	19,004
B22R	VA Poultry Growers-- Hinton	VA0002313	27,410	1,371
B38R	Pilgrims Pride-- Alma	VA0001961	18,273	914
B31R	Stuarts Draft WWTP	VA0066877	48,729	3,655

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B32R	Waynesboro STP	VA0025151	48,729	3,655
B23R	Weyers Cave STP	VA0022349	6,091	457
B58R	Berryville STP	VA0020532	8,528	640
B55R	Front Royal STP	VA0062812	48,729	3,655
B49R	Georges Chicken LLC	VA0077402	31,065	1,553
B48R	Mt. Jackson STP (3)	VA0026441	8,528	640
B45R	New Market STP	VA0022853	6,091	457
B45R	North Fork (SIL) WWTF	VA0090263	23,390	1,754
B49R	Stoney Creek SD STP	VA0028380	7,309	548
B50R	North Fork Regional WWTP (1)	VA0090328	9,137	685
B51R	Strasburg STP	VA0020311	11,939	895
B50R	Woodstock STP	VA0026468	24,364	1,827
A06R	Basham Simms WWTF (4)	VA0022802	18,273	1,371

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A09R	Broad Run WRF (5)	VA0091383	134,005	3,350

A08R	Leesburg WPCF	MD0066184	121,822	9,137

A06R	Round Hill Town WWTF	VA0026212	9,137	685

A25R	DSC--Section 1 WWTF (6)	VA0024724	42,029	2,522

A25R	DSC--Section 8 WWTF (7)	VA0024678	42,029	2,522

A25E	H L Mooney WWTF	VA0025101	219,280	13,157

A22R	UOSA-- Centreville	VA0024988	1,315,682	16,446

A19R	Vint Hill WWTF (8)	VA0020460	8,680	868

B08R	Opequon WRF	VA0065552	102,336	7,675

B08R	Parkins Mills STP (9)	VA0075191	60,911	4,568

A13E	Alexandria SA WWTF	VA0025160	493,381	29,603

A12E	Arlington County Water PCF	VA0025143	365,467	21,928

A16R	Noman M Cole Jr PCF	VA0025364	612,158	36,729

A12R	Blue Plains (VA Share)	DC0021199	581,458	26,166

A26R	Quantico WWTF	VA0028363	20,101	1,206	
A28R	Aquia WWTF	VA0060968	73,093	4,386	
A31E	Colonial Beach STP	VA0026409	18,273	1,827	
A30E	Dahlgren WWTF	VA0026514	9,137	914	
A29E	Fairview Beach	MD0056464	1,827	183	
A30E	US NSWC-- Dahlgren WWTF	VA0021067	6,578	658	
A31R	Purkins Corner STP	VA0070106	1,096	110	
TOTALS:			5,156,169	246,635	

NOTE: (1) Shenandoah Co.—North Fork Regional WWTP waste load allocations (WLAs) based on a design flow capacity of 0.75 million gallons per day (MGD). If plant is not certified to operate at 0.75 MGD design flow capacity by December 31, 2010, the WLAs will be deleted and facility removed from Significant Discharger List.

(2) Harrisonburg-Rockingham Regional S.A.-North River STP: waste load allocations (WLAs) based on a design flow capacity of 20.8 million gallons per day (MGD). If plant is not certified to operate at 20.8 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 194,916 lbs/yr; TP = 14,619 lbs/yr, based on a design flow capacity of 16.0 MGD.

(3) Mount Jackson STP: waste load allocations (WLAs) based on a design flow capacity of 0.7 million gallons per day (MGD). If plant is not certified to operate at 0.7 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 7,309 lbs/yr; TP = 548 lbs/yr, based on a design flow capacity of 0.6 MGD.

(4) Purcellville-Basham Simms STP: waste load allocations (WLAs) based on a design flow capacity of 1.5 million gallons per day (MGD). If plant is not certified to operate at 1.5 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 12,182 lbs/yr; TP = 914lbs/yr, based on a design flow capacity of 1.0 MGD.

(5) Loudoun Co. S.A.-Broad Run WRF: waste load allocations (WLAs) based on a design flow capacity of 11.0 million gallons per day (MGD). If plant is not certified to operate at 11.0 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 121,822 lbs/yr; TP = 3,046 lbs/yr, based on a design flow capacity of 10.0 MGD.

(6) Dale Service Corp.-Section 1 WWTF: waste load allocations (WLAs) based on a design flow capacity of 4.6 million gallons per day (MGD). If plant is not certified to operate at 4.6 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 36,547 lbs/yr; TP = 2,193 lbs/yr, based on a design flow capacity of 4.0 MGD.

(7) Dale Service Corp.-Section 8 WWTF: waste load allocations (WLAs) based on a design flow capacity of 4.6 million gallons per day (MGD). If plant is not certified to operate at 4.6 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 36,547 lbs/yr; TP = 2,193 lbs/yr, based on a design flow capacity of 4.0 MGD.

(8) Fauquier Co. W&SA-Vint Hill STP: waste load allocations (WLAs) based on a design flow capacity of 0.95 million gallons per day (MGD). If plant is not certified to operate at 0.95 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 5,482 lbs/yr; TP = 548 lbs/yr, based on a design flow capacity of 0.6 MGD.

(9) Parkins Mill STP: waste load allocations (WLAs) based on a design flow capacity of 5.0 million gallons per day (MGD). If plant is not certified to operate at 5.0 MGD design flow capacity by December 31, 2010, the WLAs will decrease to TN = 36,547 lbs/yr; TP = 2,741 lbs/yr, based on a design flow capacity of 3.0 MGD.

Certified and True Accurate: _____
David K. Paylor, Director, DEQ

Date: _____