

9 VAC 25-720-80. Roanoke River Basin.

A. Total maximum Daily Load (TMDLs).

TMDL #	Stream Name	TMDL Title	City/County	WBID	Pollutant	WLA	Units
1.	Ash Camp Creek	Total Maximum Daily Load Development for Ash Camp Creek	Charlotte	L39R	Sediment	20.7	T/YR
2.	North Fork Blackwater River	Total Maximum Daily Load (TMDL) Development for the Upper Blackwater River Watershed	Franklin	L08R	Sediment	0	T/YR
3.	North Fork Blackwater River	Total Maximum Daily Load (TMDL) Development for the Upper Blackwater River Watershed	Franklin	L08R	Phosphorus	0	T/YR
4.	Upper Blackwater River	Total Maximum Daily Load (TMDL) Development for the Upper Blackwater River Watershed	Franklin	L08R	Sediment	0.526	T/YR
5.	Flat Creek	Benthic TMDL for Flat Creek Watershed, Virginia	Mecklenburg	L79R	Sediment	76.2	T/YR
6.	Twittys Creek	Benthic TMDL for Twittys Creek Watershed, Virginia	Charlotte	L39R	Sediment	20.4	T/YR

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1—STREAM SEGMENT CLASSIFICATION

Classification	Segment description
WQMA IV	
E	All tributaries to the Roanoke River not previously classified in the WQMA.
WQMA V	
E	Roanoke River and all tributaries in this WQMA.
WQMA VI	
WQ	Ash Camp Creek.
EL	Twittys Creek.
E	Roanoke Creek to include all tributaries not previously classified in the WQMA.
WQMA VII	
WQ	Banister River from /confluence of Polecat Creek to confluence of Dan and Banister Rivers (River only).
EL	Dan River from confluence Miry Creek to backwaters of Kerr Reservoir (River only).
WQ	Kerr Reservoir.
WQ	Little Bluestone Creek.
WQ	Butcher Creek
WQ	Flat Creek.
E	All tributaries to Kerr Reservoir, Dan River and Banister River not previously classified in this WQMA.
E	Roanoke River from confluence Clover Creek to headwaters of Kerr Reservoir.
E	All tributaries to the Roanoke River in this WQMA not previously classified.
WQMA VIII	
E	Hyco River from the NC VA, State Line to its confluence with the Dan River to include all tributaries.
WQMA IX	
E	Banister River through this WQMA

	EL	Georges Creek.
	EL	Cherrystone Creek.
	E	All tributaries to the Banister River not previously classified in this WQMA.
WQMA X		
	E	Dan River from NC VA State Line to one mile above the confluence of Sandy River (River only).
	E	Sandy River to include all tributaries.
	WQ	Dan River from one mile above confluence of Sandy River to NC VA line.
	E	Dan River from NC VA line to confluence Miry Creek
	E	All tributaries to the Dan River in Virginia not previously classified in this WQMA.
WQMA XII		
	E	Smith River from its headwaters to Philpot Dam.
	WQ	Smith River from Philpott Dam to the NC VA State Line.
	EL	Marrowbone Creek.
	EL	Leatherwood Creek.
	E	All tributaries to the Smith River not previously classified in this WQMA.
WQMA XIII		
	E	North Mayo River from its headwaters to the NC VA State Line to include all tributaries.
WQMA XIV		
	E	Headwaters South Mayo River to confluence North Fork South Mayo River.
	EL	South Mayo River from confluence with North Fork to NC VA Line.
	E	All tributaries of the South Mayo River not previously classified in this WQMA.
WQMA XV		
	E	All streams in this WQMA.

Source: Hayes, Seay, Mattern & Mattern

TABLE B2 – SEWERAGE SERVICE AREAS – WASTELOAD ALLOCATIONS FOR ROANOKE RIVER BASIN
 WATER QUALITY MANAGEMENT PLAN.

Water Quality Management Area (WQMA)	Study Area Name	Discharger	Stream Name	Segment Classification	303(c) Wasteload Allocation BOD ₅ lbs/day
WQMA IV	Appomattox	Appomattox STP	Falling R.	EL	100.00
WQMA IV	Brookneal	Brookneal STP and Dan River, Inc. - Brookneal	Roanoke R.	EL	1381.20
WQMA IV	Rustburg	Rustburg STP	Molleys Cr.	WQ	17.94
WQMA VI	Drakes Branch	West Point Stevens - Drakes Branch	Twittys Cr.	EL	27.82
WQMA VII	Clarksville	Chase City Regional STP	Little Blue Stone Cr.	WQ	N/A [†]
WQMA VII	Chase City - Boydton	Boydton Clarksville STP Burlington Industries - Clarksville	Coleman Cr. Kerr Reservoir Kerr Reservoir	EL WQ WQ	N/A [†] 131.00 1793.00
WQMA VII	South Boston Halifax - Scottsburg Clever	South Boston STP Halifax STP, Halifax Cotton Mills, Burlington Ind. - Halifax and Scottsburg STP Clever	Dan River Banister R. Clever Cr.	WQ WQ EL	1854.00 584.84 8.76
WQMA VII	South Hill - Lacrosse - Broadnax	South Hill, Lacrosse and Broadnax	Flat Cr.	WQ	N/A [†]
WQMA VII	Virgilina	Virgilina	X-Trib. To Wolfpit Run	EL	13.00

WQMA IX	Chatham-	Chatham-	Cherrystone-Cr.	EL	125.22
	Gretna	Gretna	Georges-Cr.	EL	100.00
WQMA X	Dan-River	Danville and US-Gypsum	Dan R.	WQ	4407.00
WQMA X	Dan-River, Inc.	WILL DISCHARGE PROCESS WATER TO THE CITY OF DANVILLE STP			
WQMA XII	Smith R.	Henry County PSA-Upper Smith R.- STP	Smith R.	WQ	567.00
		Collinsville STP Fieldcrest Mills	CONNECTED TO UPPER SMITH R. STP CONNECTED TO UPPER SMITH R.- STP		
		E.I. duPont	Smith R.	WQ	503.00
		Martinsville STP	Smith R.	WQ	1500.00
		Henry County PSA-Lower Smith R.- STP	Smith R.	WQ	567.00
WQMA XIV	Stuart-Patrick Springs	Stuart STP	S. Mayo R.	EL	141.90
		United Elastic Patrick Springs	S. Mayo R.	EL	8.38
WQMA XIV	NONE	United Elastic Woolwine	Smith R.	EL	192.00

NOTES:

¹See Table B3 of this section.

TABLE B3—WASTELOAD ALLOCATIONS FOR DISCHARGERS WITH TIERED PERMITS ROANOKE RIVER
 BASIN WATER QUALITY MANAGEMENT PLAN.

Water Quality Manage- ment Area (WQMA)	Study Area Name	Discharger	Months	Effluent Flow (mgd)	D.O. (mg/l)	CBOD ₅ (lbs/day)	BOD ₅ (mg/l)	Ammonia (mg/l)	Total Kjeldahl Nitrogen (mg/l)
WQMA VI	Keysville	Keysville	Dec.-Apr.	0-500	5.0	104.32	25.0 ¹	1.4	4.0
			May-Nov.	0-500	5.0	70.94	17.0 ¹		

WQMA-VII	South Hill- Lacrosse- Broadnax	South Hill	Jan.-Feb.- March	4.000	6.5	250.00	30.0	20.0	
			Apr.-May	4.000	6.5	83.0	40.0	4.0	
			June-Sept	4.000	6.5	75.00	9.0	4.0	
			Oct.	4.000	6.5	83.00	40.0	4.0	
			Nov.	4.000	6.5	142.00	47.0	5.0	
			Dec.	4.000	6.5	250.00	30.0	20.0	
WQMA-VII	Clarkeville- Chase City- Boydton	Boydton	May-Nov.	0.360	5.0	39.1	43.0 ¹		3.0
			Dec.-Apr.	0.360	5.0	75.1	25.0 ¹		
WQMA-VII	Clarkeville- Chase City- Boydton	Chase City	May-Nov.	0.600	6.0	65.04	43.0 ¹	4.8	4.2
			Dec.-Apr.	0.600	7.0	125.22	25.0 ¹	3.4	8.8

NOTES:

¹CBOD₅ (CBOD₅/BOD₅=25/30).

TABLE B4 - SEGMENT CLASSIFICATION - STANDARDS UPPER ROANOKE RIVER SUBAREA

HUC CODE 03010101

Stream Name	303(e) Segment Number	Mile to Mile	Stream Classification	Comments
N.F. Roanoke River	4A-1	30.80 to 0.00	E.L. P	Main and tributaries.
S.F. Roanoke River	4A-1 16.60 to 0.00 E.L. P Main and tributaries.	16.60 to 0.00	E.L. P W.Q. FC	Main and tributaries. Main only.

Roanoke River	4A-2	227.74 to 202.20	W.Q. DO,P	Main only to 14th Street Bridge.
Peters Creek	4A-2	8.00 to 0.00	W.Q. DO,P	Main only.
Roanoke River	4A-2	202.20 to 195.87	W.Q. DO,P	Main to confluence with Prater Creek.
Tinker Creek	4A-2	19.40 to 0.00	W.Q. DO,P,FC	Main only.
Beck Creek	4A-2	25.70 to 0.00	E.L. P	Main and tributaries.
Roanoke River	4A-2	195.87 to 158.20	W.Q. DO,P	Main and impounded tributaries (impounded portions only) to Smith Mtn. Dam.
Other tributaries to the Roanoke River	4A-2	227.74 to 158.20	E.L. P	Tributaries only.
Blackwater River	4A-3	58.80 to 19.75	E.L. P	Main and tributaries.
Blackwater River	4A-3	19.75 to 0.00	W.Q. DO,P	Main and impounded tributaries (impounded portions only) to mouth of Blackwater River.
Other tributaries to the Blackwater River	4A-3	58.80 to 0.00	E.L. P	Tributaries only.
Pigg River	4A-4	79.80 to 58.00	E.L.	Main and tributaries from the headwaters to the confluence with Furnace Creek — except Story Creek.
Storey Creek	4A-4	10.30 to 0.00	W.Q. DO	Main Only.
Pigg River	4A-4	58.00 to 47.60	W.Q. DO	Main only from Furnace Creek to the confluence with Powder Mill Creek.
Pigg River	4A-4	47.60 to 0.00	E.L.	Main and tributaries.

Roanoke River	4A-5	158.20 to 140.54	E.L.	Main and tributaries. (Leesville Lake)
Goose Creek	4A-5	39.30 to 0.00	E.L.	Main and tributaries.
Little Otter River	4A-5	17.15 to 14.36	E.L.	Main and tributaries to confluence with Johns Creek.
Johns Creek	4A-5	4.00 to 0.00	W.Q. DO	Main only.
Little Otter River	4A-5	14.36 to 0.00	W.Q. DO	Main only from confluence with Johns Creek to Big Otter River.
Big Otter River	4A-5	42.68 to 0.00	E.L.	Main and tributaries.
Roanoke River	4A-5	140.54 to 123.79	E.L.	Main and tributaries.

Legend:

DO = Dissolved Oxygen

P = Phosphorus

FC = Fecal Coliform

T = Temperature

TABLE B5 – WASTELOAD ALLOCATIONS BASED ON EXISTING DISCHARGE POINT 1 UPPER ROANOKE
 RIVER SUBAREA
 HUC 03010101

MAP LOCATION	STREAM NAME	SEGMENT NUMBER	SEGMENT CLASSIFI- CATION STANDARDS	MILE to MILE ²	DISCHARGER	VPDES PERMIT NUMBER	VPDES PERMIT LIMITS BOD ₅ ⁴ kg/day	303(e) 3/ WASTELOAD ALLOCATIO N-BOD ₅ ⁴ kg/day	TOTAL MAXIMUM DAILY LOAD W.Q. SEGMENTS BOD ₅ ⁴ kg/day
A	S.F. Roanoke R.	4A-1	E.L. P WQ FC	6.33-	Montgomery County PSA Shawsville STP	VA0024031	11.40	Secondary	

B	S.F. Roanoke R.	4A-1	E.L. P	0.76-	Montgomery County PSA Elliston- Lafayette STP	VA0062219	28.00	Secondary	
C	X trib to N.F. Roanoke R.	4A-1	E.L. P	0.25-	Lonnie J. Weddle Residence	VA0073229	0.03	Secondary	
D	X trib to N.F. Roanoke R.	4A-1	E.L. P	0.25-	James Luther Residence	VA0073237	0.05	Secondary	
E	N.F. Roanoke R.	4A-1	E.L. P	17.57-	Blacksburg Country Club, Inc.	VA0027481	4.00	Secondary	
F	Cedar Run	4A-1	E.L. P	2.64- 0.46-	Wolverine Gasket Co., Inc	VA0052825	N/A	Secondary	
F	Cedar Run	4A-1	E.L. P	0.40-	Wendell Hensley Residence	VA0066737	0.07	Secondary	
G	X trib to Cedar Run	4A-1	E.L. P	0.20-	Ivan Gary Bland Residence	VA0077488	0.05	Secondary	
H	Cedar Run	4A-1	E.L. P	0.46-	Velma D. Compton Residence	VA0080021	0.06	Secondary	
I	N.F. Roanoke R.	4A-1	E.L. P	15.21-	Federal Mogal, Inc.	VA0001619	N/A	Secondary	
I	N.F. Roanoke R.	4A-1	E.L. P	0.76-	VDOT I-81 Ironto Rest Area	VA0060941	2.80	Secondary	
J	X trib to Roanoke R.	4A-2	E.L. P	1.04-	Salem Stone Corp.	VA0006459	N/A	Secondary	
4	Roanoke R.	4A-2	W.Q. DO,P	218.13-	Roanoke Electric Steel Salem Plant	VA0001333	N/A	N/A	N/A
5	Roanoke R.	4A-2	W.Q. DO,P	216.33-	Koppers Co. Inc.	VA0001341	N/A	N/A	N/A
6	Snyders Br.	4A-2	E.L.P	0.17-	Graham White Mfg., Inc.	VA0030031	N/A	Secondary	

7	Bowmans's Br.	4A-2	E.L.P.	0.20-	Mechanical Development Co., Inc.	VA002311	N/A	Secondary	
8	Roanoke R.	4A-2	W.Q-DO,P	212.61-	Rowe Furniture Corp., Inc.	VA0024716	N/A	N/A	N/A
9	Roanoke R.	4A-2	W.Q.L-DO,P	212.39-	Valleydale Packers, Inc.	VA0001317	N/A	N/A	N/A
J	X-trib to Mason Cr.	4A-2	E.L.P.	0.21	Gary L. Bryant Residence	VA0063398	0.07	Secondary	
K	Mason Cr.	4A-2	E.L.P.	0.30-	Roanoke County Schools Mason Cove E.S.	VA0027545	0.45	Secondary	
L	Mason Cr.	4A-2	E.L.P.	7.79-	Roanoke Moose Lodge 284	VA0077895	0.53	Secondary	
M	Gish Br.	4A-2	E.L.P.	1.80-	Eddie Miller Residence	VA0076759	0.06	Secondary	
10	Roanoke R.	4A-2	W.Q-DO,P	209.58-	Virginia Plastics Co., Inc.	VA0052477	N/A	N/A	N/A
10	X-trib to Mud Lick	4A-2	E.L.P.	0.47-	Virginia Plastics Co., Inc.	VA002477	2.70	Secondary	
11	Peters Cr.	4A-2	W.Q-DO,P	0.26-	Roanoke Electric Steel Roanoke Plant	VA0001589	N/A	N/A	N/A
12	Roanoke R.	4A-2	W.Q-DO,P	207.60-	Fuel Oil & Equipment Co., Inc.	VA0001252	N/A	N/A	N/A
13	Roanoke R.	4A-2	W.Q-DO,P	207.24	Norfolk & Western Railways Co., Inc. Schaffers Crossing	VA0001597	N/A	N/A	N/A

13	Horton Cr.	4A-2	E.L.P.	0.41	Norfolk & Western Railways Co., Inc. Schaffers Crossing	VA0001597	N/A	Secondary	
N	Roanoke	4A-2	W.Q., DO, P	201.81	Roanoke City Regional STP	VA0025020	1173.00	1173.00	1352.00
14	Carvin Cr.	4A-2	E.L. P.	5.77	Roanoke City Carvin Cove	VA0001473	N/A	Secondary	
15	Carvin Cr.	4A-2	E.L. P.	4.98	ITT Electro-Optical Products Division	VA0020443	N/A	Secondary	
16	Tinker Cr	4A-2	W.Q., DO, P, FC	5.17	Elizabeth Arden, Inc.	VA0001635	N/A	N/A	N/A
17	Tinker Cr	4A-2	W.Q., DO, P, FC	1.45	Exxon Company, USA, Inc.	VA0079006	N/A	N/A	N/A
18	Lick Run	4A-2	E.L. P.	3.51	Norfolk & Western Railways Co., Inc. Schaffers Crossing	VA0001597	N/A	Secondary	
18	Lick Run	4A-2	E.L. P.	1.12	Norfolk & Western Railways Co., Inc. East End Shops	VA0001511	N/A	Secondary	
Q	X-trib to Glade Cr	4A-2	E.L. P.	1.60	R.W. Bowers Commerical	VA0068497	0.06	Secondary	
P	X-trib to Glade Cr	4A-2	E.L. P.	1.24	Geraldine B. Carter Residence	VA0076546	0.06	Secondary	
Q	Coyner Spring Br.	4A-2	E.L. P.	0.50	Roanoke City- Coyner Springs STP	VA0021121	0.80	Secondary	

R	Back Cr.	4A-2	E.L. P.	16.14-	Roanoke Sanitary Disposal Corp. Starkey STP	VA0027103	45.40	Secondary	
19	Back Cr.	4A-2	E.L. P.	1.48-	Shell Oil Co., Inc.	VA0001431	N/A	Secondary	
S	X trib to Back Cr.	4A-2	E.L. P.	1.00-	Suncrest Development Co., Inc. Suncrest Heights STP	VA0028711	2.30-	Secondary	
20	Falling Cr.	4A-2	E.L. P.	7.70-	Roanoke City- Falling Cr. WTP	VA0001465	N/A	Secondary	
T	X trib to Falling Cr.	4A-2	E.L. P.	0.32-	Oak Ridge Mobile Home Park	VA0078392	3.40	Secondary	
U	Nat Branch	4A-2	E.L. P.	0.59-	Bedford County Schools Stewartsville E.S.	VA0020842	0.50	Secondary	
V	Roanoke R.	4A-2	W.Q. DO,P	182.76-	L. Jack & Vicki S. Browning Residence	VA0067229	0.07	0.07	170.07
W	X trib to Little Cr.	4A-2	E.L. P.	0.16-	Robert R. Walter Residence	VA0074004	0.05	Secondary	
X	X trib to Teals Cr.	4A-3	E.L. P.	0.96-	Franklin County Schools Boones Mill E.S.	VA0060291	0.50	Secondary	
21	Blackwater R.	4A-3	E.L. P.	40.05-	Rocky Mount Town Blackwater R. WTP	VA0055999	N/A	Secondary	
Y	Blackwater R.	4A-3	E.L. P.	38.95-	Franklin Manor Home for Adults	VA0067555	1.70	Secondary	

Z	X-trib to Blackwater R.	4A-3	E.L. P.	1.15	Franklin County Schools Rocky Mount E.S.	VA0060283	0.80	Secondary	
AA	X-trib to Maggodee Cr.	4A-3	E.L. P.	0.28	Boones Mill Town Sand Filter	VA0078401	0.50	Secondary	
AB	Maggodee Cr.	4A-3	E.L. P.	14.51	Boones Mill Town STP	VA0067245	3.40	Secondary	
AC	Roanoke R.	A-5	E.L. P.	158.09	APCO SML Dam Visitors Center	VA0074179	0.57	Secondary	
AD	Roanoke R.	4A-5	E.L. P.	157.49	APCO SML Dam Picnic Area	VA0074217	0.57	Secondary	
AE	Storey Cr.	4A-4	W.Q. DO	9.78	Ferrum Water & Sewage Authority Ferrum STP	VA0029254	14.20	14.20	14.60
23	X-trib to Pigg R.	4A-4	E.L.	1.28	The Lane Company Rocky Mount Plant	VA0098438	N/A	Secondary	
22	Pigg R.	4A-4	W.Q. DO	57.24	Ronile, Inc.	VA0076015	14.80	14.80	34.98
AF	Pigg R.	4A-4	W.Q. DO	56.72	Rocky Mt. Town Existing STP	VA0023728	133.00	133.00	153.18
				52.68	Rocky Mt. Town Proposed STP	VA0085952		133.00	
24	X-trib to Powder Mill Cr.	4A-4	E.L.	1.64	Rocky Top Wood Preservers Inc.	VA0080071	N/A	Secondary	
AG	Willow Cr.	4A-4	E.L.	1.30	Town & Country Subdivision	VA0028657	4.50	Secondary	
25	S.F. Goose Cr.	4A-5	E.L.	6.77	Blue Ridge Stone Corp. Blue Ridge Plant	VA0050636	N/A	Secondary	

AH	X-trib to Goose Cr.	4A-5	E.L.	0.66-	Woodhaven Village, Inc.	VA0074870	0.50	Secondary	
26	X-trib to Goose Cr.	4A-5	E.L.	0.08	Conoco, Inc.	VA0055328	N/A	Secondary	
27	S.F. Goose Cr.	4A-5	E.L.	2.58-	Chevron USA, Inc.	VA0026051	N/A	Secondary	
28	X-trib to Goose Cr.	4A-5	E.L.	0.20-	Phillips Petroleum Co., Inc.	VA0051446	N/A	Secondary	
29	X-trib to Goose Cr.	4A-5	E.L.	0.04-	Amoco Oil Co., Inc.	VA0054577	N/A	Secondary	
29	X-trib to Goose Cr.	4A-5	E.L.	0.06-	Amoco Oil Co., Inc.	VA0054577	N/A	Secondary	
29	X-trib to Goose Cr.	4A-5	E.L.	0.14-	Amoco Oil Co., Inc.	VA0054577	N/A	Secondary	
30	S.F. Goose Cr.	4A-5	E.L.	2.30-	Colonial Pipeline Co., Inc.	VA0051721	N/A	Secondary	
AI	X-trib to N.F. Goose Cr.	4A-5	E.L.	0.20-	Bedford County Schools- Montvale E.S.	VA0066206	0.42	Secondary	
31	S.F. Goose Cr.	4A-5	E.L.	2.18-	Texaco, Inc.	VA0001490	N/A	Secondary	
AJ	X-trib to Day Cr.	4A-5	E.L.	1.79-	Camp Virginia Jaycee Inc.	VA0060909	1.70	Secondary	
AK	X-trib to Reed Cr.	4A-5	E.L.	0.84-	Robinerest Mobile Home Park	VA0078413	2.70	Secondary	
AL	X-trib to Wolf Cr.	4A-5	E.L.	0.95	Bedford County Schools-Thaxton E.S.	VA0020869	0.30	Secondary	
AM	X-trib to Shoulder Run	4A-5	E.L.	0.95-	Bedford County Schools- Staunton River H.S.	VA0068063	2.90	Secondary	

AN	Goose-Cr.	4A-5	E.L.	19.55-	Camp Tipacanoe Inc.	VA0068063	1.10	Secondary	
AO	Mattock Cr.	4A-5	E.L.	3.76-	VDOC Filed Unit #24 Smith Mtn. Lake	VA0023515	2.40	Secondary	
32	Staunton (Roa.) R.	4A-5	E.L.	129.72-	Burlington Industries- Klopman Division Altavista Plant	VA0001678	530.00	Secondary	
33	Staunton (Roa.) R	4A-5	E.L.	128.96-	Altavista Town WTP	VA0027189	N/A	Secondary	
34	Staunton (Roa.) R	4A-5	E.L.	128.94-	The Lane Co., Inc. Altavista Plant	VA0001520	N/A	Secondary	
-	Staunton (Roa.) R	4A-5	E.L.		Town of Hurt (Proposed)			Secondary	
AP	Staunton (Roa.) R	4A-5	E.L.	127.96-	Altavista Town STP	VA0020451	204.00	Secondary	
35	Staunton (Roa.) R	4A-5	E.L.	126.39-	Ross Laboratories	VA0001716	66.20 4	Secondary	
36	X-trib to Big Otter R.	4A-5	E.L.	1.63-	Bedford City WTP	VA0001503	N/A	Secondary	
37	Roaring Run	4A-5	E.L.	3.26-	Gunnoe Sausage Co., Inc.	VA0001449	0.55	Secondary	
AQ	X-trib to Big Otter R.	4A-5	E.L.	1.15-	Bedford County Schools Otter River E.S.	VA0020851	0.40	Secondary	
38	X-trib to Little Otter R.	4A-5	E.L.	0.76-	Wheelbrator Frye, Inc.	VA0058033	N/A	Secondary	
AR	X-trib to Little Otter R.	4A-5	E.L.	0.42-	Bedford County Schools Liberty H.S.	VA0020796	2.80	Secondary	
AS	Little Otter R.	4A-5	W.Q.-DO	14.36-	Bedford City STP	VA0022390	52.80	52.80	64.15

39	Johns Cr.	4A-5	W.Q.-DO	2.61	Golden West Foods, Inc.	VA0056430	N/A	N/A	N/A
AT	X trib to Wells Cr.	4A-5	E.L.	2.22	Bedford County Schools Body Camp E.S.	VA0020818	0.40	Secondary	
AU	X trib to Big Otter R.	4A-5	E.L.	1.20	David T. Callahan Residence	VA0080667	0.57	Secondary	
AV	X trib to Buffalo Cr	4A-5	E.L.	0.67	Bedford County Schools-New London Academy	VA0020826	0.50	Secondary	
AW	Buffalo Cr	4A-5	E.L.	12.42	Alum Springs Shopping Center	VA0078999	4.50	Secondary	
40	Big Otter R.	4A-5	E.L.	11.74	Campbell Country USA (Proposed WTP)	VA0078646	N/A	Secondary	
BF	X trib to Big Otter R	4A-5	E.L.	1.07	Otterwood Grocery Store	VA0082732	0.05	Secondary	
AX	Flat Cr.	4A-5	E.L.	13.34	Virginia Track & Equipment Corp.	VA0068594	0.03	Secondary	
BD	X trib to Flat Cr.	4A-5	E.L.	0.68	Montague Betts Co, Inc.	VA0075116	0.45	Secondary	
41	Flat Cr.	4A-5	E.L.	12.62	Blue Ridge Stone Corp. Lynchburg Plant	VA0050628	N/A	Secondary	
AY	X trib to Flat Cr.	4A-5	E.L.	0.12	Winebarger Corp	VA0074969	0.70	Secondary	
AZ	Smith Br.	4A-5	E.L.	2.82	Briarwood Village	VA0031194	2.70	Secondary	
BE	X trib to Flat Cr.	4A-5	E.L.	0.88	Ralph P. Shepard Residence	VA0081591	0.05	Secondary	
BA	X trib to Flat Cr.	4A-5	E.L.	1.16	Phillips, Arthur, Phillips Tract #6	VA0068098	0.05	Secondary	

BB	X trib to Flat Cr.	4A-5	E.L.	1.12-	Kyle E. & Annette D. Shupe Residence	VA0068080	0.05	Secondary	
BC	X trib to Flat Cr.	4A-5	E.L.	1.08-	Wayne E. & Sherina D. Shupe Residence	VA0068071	0.05	Secondary	
BG	X trib to Troublesome Cr.	4A-5	E.L.	2.15-	Kelly Convenience Store	VA0067078	0.11	Secondary	

NOTES:

N/A – Not Applicable – currently no BOD₅ limits or wasteload have been required by the VPDES Permit. Should BOD₅ be required a WQMP amendment would be necessary for Water Quality Limited Segments only.

¹Secondary Treatment levels are required in Effluent Limited segments. Quantities listed for Water Quality Limited segments represent wasteload allocation.

²Ending river miles are not available at this time.

³These allocations represent current and original (1976 WQMP) modeling with the exception of the Altavista segment, river miles 130.00 to 119.00 on the Staunton (Roanoke) River. Future revisions may be necessary based on State Water Control Board approved modeling.

⁴The VPDES Permit limit presented here is a future loading, not the current VPDES Permit limitation. The permitting process will determine the current loading not to exceed 1173 kg/d WLA established by this plan.

⁵The current permitted BOD₅ loading for this facility is 30 mg/l monthly average and 45 mg/l daily maximum. Based on maximum flows reported by this facility for 1987-88 (0.389 mgd) the resulting wasteload is 66.2 kg/d. Revocation of the permit has been requested by the permittee.

Roanoke River non-TMDL waste load allocations

<u>Roanoke River non-TMDL waste load allocations</u>								
<u>Water Body</u>	<u>Permit No</u>	<u>Facility Name</u>	<u>Outfall No.</u>	<u>Receiving Stream</u>	<u>River Mile</u>	<u>Parameter Description</u>	<u>WLA</u>	<u>Units WLA</u>
VAW-L04R	VA0072389	Oak Ridge Mobile Home Park	001	Falling Creek UT	0.32	BOD5	0.85	KG/D

<u>Roanoke River non-TMDL waste load allocations</u>								
<u>Water Body</u>	<u>Permit No</u>	<u>Facility Name</u>	<u>Outfall No.</u>	<u>Receiving Stream</u>	<u>River Mile</u>	<u>Parameter Description</u>	<u>WLA</u>	<u>Units WLA</u>
<u>VAW-L04R</u>	<u>VA0025020</u>	<u>Roanoke City Regional Water Pollution Control Plant</u>	<u>001</u>	<u>Roanoke River</u>	<u>201.81</u>	<u>BOD5</u>	<u>1173</u>	<u>KG/D</u>
						<u>TKN, APR-SEP</u>	<u>318</u>	<u>KG/D</u>
						<u>TKN, OCT-MAR</u>	<u>636</u>	<u>KG/D</u>
			<u>001</u>	<u>Roanoke River</u>	<u>201.81</u>	<u>BOD5</u>	<u>1173</u>	<u>KG/D</u>
						<u>TKN, APR-SEP</u>	<u>416</u>	<u>KG/D</u>
						<u>TKN, OCT-MAR</u>	<u>832</u>	<u>KG/D</u>
			<u>001</u>	<u>Roanoke River</u>	<u>201.81</u>	<u>BOD5</u>	<u>1173</u>	<u>KG/D</u>
						<u>TKN, APR-SEP</u>	<u>469</u>	<u>KG/D</u>
						<u>TKN, OCT-MAR</u>	<u>939</u>	<u>KG/D</u>
<u>VAW-L04R</u>	<u>VA0077895</u>	<u>Roanoke Moose Lodge</u>	<u>001</u>	<u>Mason Creek</u>	<u>7.79</u>	<u>BOD5, JUN-SEP</u>	<u>0.24</u>	<u>KG/D</u>
						<u>TKN, JUN-SEP</u>	<u>0.09</u>	<u>KG/D</u>
<u>VAW-L07R</u>	<u>VA0020842</u>	<u>Bedford County School Board- Stewartsville Elementary School</u>	<u>001</u>	<u>Nat Branch, UT</u>	<u>0.59</u>	<u>BOD5</u>	<u>0.5</u>	<u>KG/D</u>
<u>VAW-L14R</u>	<u>VA0029254</u>	<u>Ferrum Water and Sewage Authority - Ferrum Sewage Treatment Plant</u>	<u>001</u>	<u>Storey Creek</u>	<u>9.78</u>	<u>BOD5</u>	<u>14.2</u>	<u>KG/D</u>
<u>VAW-L14R</u>	<u>VA0085952</u>	<u>Rocky Mount Town Sewage Treatment Plant</u>	<u>001</u>	<u>Pigg River</u>	<u>52</u>	<u>BOD5</u>	<u>133</u>	<u>KG/D</u>
<u>VAW-L14R</u>	<u>VA0076015</u>	<u>Ronile Incorporated</u>	<u>001</u>	<u>Pigg River</u>	<u>57.24</u>	<u>BOD5</u>	<u>14.8</u>	<u>KG/D</u>
<u>VAW-L21R</u>	<u>VA0063738</u>	<u>Bedford County School Board - Staunton River High School</u>	<u>001</u>	<u>Shoulder Run, UT</u>	<u>0.95</u>	<u>BOD5</u>	<u>1.8</u>	<u>KG/D</u>

<u>Roanoke River non-TMDL waste load allocations</u>								
<u>Water Body</u>	<u>Permit No</u>	<u>Facility Name</u>	<u>Outfall No.</u>	<u>Receiving Stream</u>	<u>River Mile</u>	<u>Parameter Description</u>	<u>WLA</u>	<u>Units WLA</u>
<u>VAW-L21R</u>	<u>VA0020869</u>	<u>Bedford County School Board - Thaxton Elementary School</u>	<u>001</u>	<u>Wolf Creek, UT</u>	<u>0.35</u>	<u>BOD5</u>	<u>0.31</u>	<u>KG/D</u>
<u>VAW-L22R</u>	<u>VA0023515</u>	<u>Blue Ridge Regional Jail Authority - Moneta Adult Detention Facility STP</u>	<u>001</u>	<u>Mattox Creek, UT</u>	<u>3.76</u>	<u>BOD5</u>	<u>1.66</u>	<u>KG/D</u>
<u>VAW-L25R</u>	<u>VA0020851</u>	<u>Bedford County School Board - Otter River Elementary School</u>	<u>001</u>	<u>Big Otter River, UT</u>	<u>1.15</u>	<u>BOD5</u>	<u>0.4</u>	<u>KG/D</u>
<u>VAW-L26R</u>	<u>VA0022390</u>	<u>Bedford City - Sewage Treatment Plant</u>	<u>001</u>	<u>Little Otter River</u>	<u>14.36</u>	<u>BOD5</u>	<u>52.8</u>	<u>KG/D</u>
<u>VAW-L26R</u>	<u>VA0020818</u>	<u>Bedford County School Board - Body Camp Elementary</u>	<u>001</u>	<u>Wells Creek, UT</u>	<u>2.22</u>	<u>BOD5</u>	<u>0.4</u>	<u>KG/D</u>
<u>VAW-L27R</u>	<u>VA0020826</u>	<u>Bedford County School Board - New London Academy</u>	<u>001</u>	<u>Buffalo Creek, UT</u>	<u>0.67</u>	<u>BOD5</u>	<u>0.39</u>	<u>KG/D</u>
<u>VAC-L29R</u>	<u>VA0031194</u>	<u>Briarwood Village Mobile Home Park STP</u>	<u>001</u>	<u>Smith Branch, UT</u>	<u>2.82</u>	<u>BOD5</u>	<u>1.3</u>	<u>KG/D</u>
<u>VAC-L35R</u>	<u>VA0023965</u>	<u>Campbell Co Util & Serv Auth - Rustburg</u>	<u>001</u>	<u>Mollys Creek</u>	<u>17.81</u>	<u>BOD5</u>	<u>8.13</u>	<u>KG/D</u>
<u>VAC-L39R</u>	<u>VA0084433</u>	<u>Drakes Branch WWTP</u>	<u>001</u>	<u>Twitty's Creek</u>	<u>6.04</u>	<u>BOD5</u>	<u>6.4</u>	<u>KG/D</u>
<u>VAC-L39R</u>	<u>VA0024058</u>	<u>Keysville WWTP</u>	<u>001</u>	<u>Ash Camp Creek</u>	<u>7.63</u>	<u>CBOD5, MAY-NOV</u>	<u>32.1</u>	<u>KG/D</u>
						<u>TKN, MAY-NOV</u>	<u>7.57</u>	<u>KG/D</u>

<u>Roanoke River non-TMDL waste load allocations</u>								
<u>Water Body</u>	<u>Permit No</u>	<u>Facility Name</u>	<u>Outfall No.</u>	<u>Receiving Stream</u>	<u>River Mile</u>	<u>Parameter Description</u>	<u>WLA</u>	<u>Units WLA</u>
<u>VAC-L39R</u>	<u>VA0050822</u>	<u>Westpoint Stevens Inc Drakes Branch</u>	<u>001</u>	<u>Twittys Creek</u>	<u>7.22</u>	<u>BOD5</u>	<u>6.31</u>	<u>KG/D</u>
<u>VAW-L43R</u>	<u>VA0022985</u>	<u>Stuart Town - Sewage Treatment Plant</u>	<u>001</u>	<u>South Mayo River</u>	<u>30.78</u>	<u>BOD5</u>	<u>63.5</u>	<u>KG/D</u>
<u>VAW-L54R</u>	<u>VA0069345</u>	<u>Henry Co Public Service Authority - Lower Smith River STP</u>	<u>001</u>	<u>Smith River</u>	<u>19.4</u>	<u>BOD5</u>	<u>257</u>	<u>KG/D</u>
<u>VAW-L54R</u>	<u>VA0025305</u>	<u>Martinsville City Sewage Treatment Plant</u>	<u>001</u>	<u>Smith River</u>	<u>22.69</u>	<u>BOD5</u>	<u>681</u>	<u>KG/D</u>
<u>VAC-L60R</u>	<u>VA0060593</u>	<u>Danville City - Northside</u>	<u>001</u>	<u>Dan River</u>	<u>53.32</u>	<u>BOD5</u>	<u>1907</u>	<u>KG/D</u>
						<u>TKN, JUN-OCT</u>	<u>1817</u>	<u>KG/D</u>
<u>VAC-L66R</u>	<u>VA0020524</u>	<u>Town of Chatham STP</u>	<u>001</u>	<u>Cherrystone Creek</u>	<u>2.49</u>	<u>CBOD5</u>	<u>64.8</u>	<u>KG/D</u>
						<u>TKN</u>	<u>38.9</u>	<u>KG/D</u>
<u>VAC-L75L</u>	<u>VA0020168</u>	<u>Clarksville WWTP</u>	<u>001</u>	<u>Blue Creek/John H. Kerr Reservoir</u>	<u>0.1</u>	<u>BOD5</u>	<u>59.5</u>	<u>KG/D</u>
<u>VAC-L77R</u>	<u>VA0076881</u>	<u>Chase City Regional WWTP</u>	<u>001</u>	<u>Little Bluestone Creek</u>	<u>13.67</u>	<u>CBOD5, MAY-NOV</u>	<u>29.5</u>	<u>KG/D</u>
						<u>TKN, MAY-NOV</u>	<u>9.5</u>	<u>KG/D</u>
<u>VAC-L78R</u>	<u>VA0026247</u>	<u>Boydton WWTP</u>	<u>001</u>	<u>Coleman Creek</u>	<u>3.79</u>	<u>CBOD5, MAY-NOV</u>	<u>17.7</u>	<u>KG/D</u>
						<u>TKN, MAY-NOV</u>	<u>4.1</u>	<u>KG/D</u>
<u>VAC-L79R</u>	<u>VA0069337</u>	<u>South Hill WWTP</u>	<u>001</u>	<u>Flat Creek</u>	<u>8.95</u>	<u>CBOD5, APR-NOV</u>	<u>60.6</u>	<u>KG/D</u>

<u>Roanoke River non-TMDL waste load allocations</u>								
<u>Water Body</u>	<u>Permit No</u>	<u>Facility Name</u>	<u>Outfall No.</u>	<u>Receiving Stream</u>	<u>River Mile</u>	<u>Parameter Description</u>	<u>WLA</u>	<u>Units WLA</u>

CERTIFIED TRUE AND ACCURATE: _____
 Robert G. Burnley, Director, DEQ

DATE: _____