



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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L. Preston Bryant, Jr.
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February 18, 2009

Mrs. Helene Drago
US EPA Region III TMDL Program Manager
USEPA REGION 3 – 3WP12
1650 Arch Street
Philadelphia, PA 19103-2029

RE: Modification of the Wasteload Allocation in the bacteria TMDL developed for the Dan River in Halifax and Pittsylvania Counties, VA

Dear Mrs. Drago:

This letter is to request approval of a modification to the wasteload allocation (WLA) tables in the bacteria TMDL developed for the Dan River in Halifax and Pittsylvania Counties, VA. EPA region III approved the bacteria TMDL addressing a recreational use impairment for the Dan River on 12/8/2008.

The Herndon Residence STP (VAG407290), which will discharge to an unnamed tributary to Fall Creek, located in the Fall Creek watershed, recently submitted an application to DEQ for a new General permit with permitted flow of 1000 gpd. Since this is a new discharge permit, the Dan River bacteria TMDL does not currently include a WLA for this facility. DEQ proposes to modify the WLA tables in the TMDL as described below to accommodate this additional discharger at 1000 gpd. The resulting WLA from this new facility will be 4.77×10^6 cfu/100ml bacteria. The revised wasteload allocation would accommodate permitted flow of 1000 gpd at a permitted E.coli concentration of 126 cfu/100ml.

The Barksdale residence (VAG407297), which will discharge to an unnamed tributary to Stokes Creek which drains into the Dan River, recently submitted an application to DEQ for a new General permit with permitted flow of 1000 gpd. Since this is a new discharge permit, the Dan River bacteria TMDL does not currently include a WLA for this facility. DEQ proposes to modify the WLA tables in the TMDL as described below to accommodate this additional discharger at 1000 gpd. The resulting WLA from this new facility will be 4.77×10^6 cfu/100ml bacteria. The revised wasteload allocation would accommodate permitted flow of 1000 gpd at a permitted E.coli concentration of 126 cfu/100ml.

The revised WLA tables would accommodate these additional discharges at permitted E.coli concentrations of 126 cfu/100ml at the new permitted design flows of 1000 gpd and 1000 gpd respectively for VAG407290 and VAG407297. This equates to bacteria WLA increases of 4.77×10^6 cfu/100ml and 4.77×10^6 cfu/100ml for these facilities and overall loading increase to the watershed of

9.54×10^6 cfu/100ml. These loads equate to 0.005% of the bacteria TMDL WLA for Fall Creek (1.01×10^{11} cfu/100ml bacteria), which is less than 1 % of the total bacterial TMDL WLA for Fall Creek, 0.00% of the bacteria TMDL WLA for Dan River (3.27×10^{12} cfu/100ml bacteria), which is less than 1% of the total bacterial TMDL WLA for Dan River. DEQ proposes to accommodate these increases without increasing the overall WLA for the TMDL, because the total additional WLA is less than 1% of the respective TMDLs. These loads are less than the future growth for both the Dan River and the Fall Creek segments.

Permit Details

The permit for the Herndon STP (VAG407290) is a new General permit for domestic sewage. The permit for the Barksdale residence (VAG407297) is a new General permit for domestic sewage.

TMDL Revisions (attachments)

These changes affect the following tables, figures and text.

Table 3-15: Active and Application General Permits with the Dan River Watershed, Virginia

Figure 3-23: Location of Permitted Facilities in the Dan River Watershed

Section 4.7.1: Permitted Facilities

Table 5-2: Dan River Wasteload Allocation for E.coli

Table 5-4: Dan River Distribution of Annual Average E.coli Load under Existing Conditions and TMDL Allocation

Table 5-16: Fall Creek Wasteload Allocation for E.coli

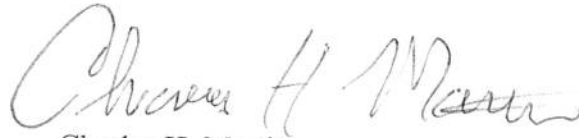
Table 5-18: Fall Creek Distribution of Annual Average E.coli Load under Existing Conditions and TMDL Allocations

Updating the WLA tables in the Dan River and Fall Creek bacteria TMDLs in accordance with this memo will not cause a water quality violation because this overall modification to the WLA and TMDL are less than the future growth allocation, and because Virginia's Water Quality Standards for bacteria that treated effluent discharged into a receiving stream meet the bacteria criteria for the stream. In addition, the TMDL included modeling results to confirm that the water quality standard would not be violated if permitted dischargers are required to discharge at an E.coli concentration of 126 cfu/100ml.

VADEQ therefore proposes to replace tables in the bacteria TMDL report with the attached tables.

In accordance with EPA's August 2003 letter to VADEQ, VADEQ hereby requests EPA approval of the proposed modification. If you or your staff has any questions, please contact me at (804) 698-4462.

Sincerely,

A handwritten signature in cursive script, appearing to read "Charles H. Martin".

Charles H. Martin
Environmental Program Manager
Watershed Programs

cc: Jack Frye, VADCR
Sandra Mueller, VADEQ
Paula Nash, TMDL coordinator
File CO

Table -3-15: Active and Application General Permits within the Dan River Watershed, Virginia

Permit No	Facility	Receiving Stream	Discharge (GPD)	Classification
VAG402049	Business	Little Reed Creek	150	NA
VAG402049	Business	Little Reed Creek	850	NA
VAG402052	Residence	McGuff Creek Tributary	450	Application
VAG402053	Residence	Rocky Branch	450	Application
VAG402105	Post Office	Town Creek or UT to Town Creek	450	NA
VAG404018	Residence	Dan River	1000	Application
VAG404039	Residence	Poplar Creek	1000	Application
VAG404043	Residence	Poplar Creek	1000	Application
VAG404067	Residence	Poplar Creek	1000	Application
VAG404095	Residence	Poplar Creek	1000	Application
VAG404104	Residence	Stokes Creek UT	450	Active
VAG404108	Residence	Poplar Creek	1000	Application
VAG404112	Residence	Dan River UT	1000	Application
VAG404119	Residence	Lawsons Creek UT	1000	Application
VAG404121	Residence	Dan River UT	450	Application
VAG404123	Residence	Poplar Creek	1000	Application
VAG404127	Business	Dan River UT	300	Active
VAG404138	Residence	Stokes Creek UT	900	Active
VAG404160	Residence	Dan River	300	Application
VAG404163	Residence	Dan River UT	300	Application
VAG404173	Residence	Dan River/UT	450	Application
VAG404195	Residence	Birch Creek UT	450	Active
VAG407197	Residence	Dry Ditch to Lawson's Creek	450	Active
VAG407218	Residence	Stokes Creek	300	Application
VAG407219	Residence	dry ditch	300	Application
VAG407220	Airport	UT to Dan River	100	Application
VAG407223	Residence	UT to Stokes Creek	450	Active
VAG407240	Residence	UT to Barley Branch	450	Active
VAG407244	Residence	UT to Barley Branch	450	Active
VAG407245	Residence	UT to Tanyard Branch	450	Active
VAG407246	Residence	UT to Tanyard Branch	450	Active
VAG407247	Residence	Tanyard Branch	450	Active
VPG100008	Hog Farm	Sandy Creek	NA	Active
VPG100019	Dairy Farm	NA	NA	NA
VPG100029	Hog Farm	Dan River/UT	NA	Active
VPG100049	Hog Farm	Long Branch	NA	Active
VPG100056	Hog Farm	Perrin Creek/UT	NA	Active
VPG100139	Dairy Farm	Sandy Creek/U.T.	NA	Active
VPG100152	Hog Farm	Miry Creek	NA	Active
VPG120007	Dairy Farm	NA	NA	NA
VAG407290	Residence	UT to Fall Creek	1000	Application
VAG407297	Residence	Stokes Creek UT	1000	Application

Figure 3.23 Location of Permitted facilities in Dan River Watershed

4.7.1 Permitted Facilities

In Virginia, there are 24 individual permitted facilities and 34 general permits, which include permits for residences, businesses, a Post office, and an Airport. In North Carolina, there are 57 individual permitted facilities in the Dan River, Blackberry Creek, Byrds Branch, Double Creek, Fall Creek, Leatherwood Creek, Marrowbone Creek, North Fork Mayo River, South Fork Mayo River, Sandy Creek, Sandy River, and Smith River watersheds. The permit number, design flow, and status for each facility were presented in Table 3-15.

Table 5-2: Dan River Wasteload Allocation for <i>E. coli</i>				
Point Source	Existing Load (cfu/day)	Allocated Load (cfu/day)	Allocated Load (cfu/year)	Percent Reduction
VA0020362	9.55E+09	9.55E+09	3.48E+12	0%
VA0022705	2.43E+07	2.43E+07	8.89E+09	0%
VAG402052	2.15E+06	2.15E+06	7.84E+08	0%
VAG404018	2.15E+06	2.15E+06	7.84E+08	0%
VAG404039	2.15E+06	2.15E+06	7.84E+08	0%
VAG404043	2.15E+06	2.15E+06	7.84E+08	0%
VAG404067	1.43E+06	1.43E+06	5.23E+08	0%
VAG404095	4.77E+06	4.77E+06	1.74E+09	0%
VAG404104	4.77E+06	4.77E+06	1.74E+09	0%
VAG404108	4.77E+06	4.77E+06	1.74E+09	0%
VAG404112	4.77E+06	4.77E+06	1.74E+09	0%
VAG404119	4.77E+06	4.77E+06	1.74E+09	0%
VAG404121	2.15E+06	2.15E+06	7.84E+08	0%
VAG404123	1.43E+06	1.43E+06	5.23E+08	0%
VAG404127	4.77E+06	4.77E+06	1.74E+09	0%
VAG404138	2.15E+06	2.15E+06	7.84E+08	0%
VAG404160	2.15E+06	2.15E+06	7.84E+08	0%
VAG404163	4.77E+06	4.77E+06	1.74E+09	0%
VAG404173	2.15E+06	2.15E+06	7.84E+08	0%
VAG404195	4.30E+06	4.30E+06	1.57E+09	0%
VAG407197	4.77E+06	4.77E+06	1.74E+09	0%
VAG407218	2.15E+06	2.15E+06	7.84E+08	0%
VAG407220	4.77E+06	4.77E+06	1.74E+09	0%
VAG407223	2.15E+06	2.15E+06	7.84E+08	0%
VAG407240	1.43E+06	1.43E+06	5.23E+08	0%
VAG407244	2.15E+06	2.15E+06	7.84E+08	0%
VAG407245	4.77E+05	4.77E+05	1.74E+08	0%
VAG407246	2.15E+06	2.15E+06	7.84E+08	0%
VAG407247	1.43E+06	1.43E+06	5.23E+08	0%
VPG100019	2.86E+06	2.86E+06	1.04E+09	0%
VPG100049	2.86E+06	2.86E+06	1.04E+09	0%
VPG100056	2.86E+06	2.86E+06	1.04E+09	0%
VPG120007	2.86E+06	2.86E+06	1.04E+09	0%
VAG407297	4.77E+06	4.77E+06	1.74E+09	0%
Total	9.66E+09	9.66E+09	3.53E+12*	0%
Total (Future Growth)			1.76E+13	-

*Total Allocated load with the addition of VAG407297.

Table 5-4: Dan River Distribution of Annual Average *E. coli* Load under Existing Conditions and TMDL Allocation

Land Use/Source	Average <i>E. coli</i> Loads (cfu/yr)		Allocation (cfu/day)	Percent Reduction (%)
	Existing	Future		
Forest	2.06E+13	2.06E+13	9.89E+10	0%
Cropland	3.37E+13	1.69E+12	8.10E+09	95%
Pasture	3.10E+15	1.55E+14	7.44E+11	95%
Low Density Residential	8.27E+14	4.14E+13	1.99E+11	95%
Medium Density Residential	4.33E+14	2.17E+13	1.04E+11	95%
High Density Residential	3.40E+14	1.70E+13	8.17E+10	95%
Commercial/Industrial	3.80E+14	1.90E+13	9.14E+10	95%
Failed Septic - direct deposition	1.43E+14	0.00E+00	0.00E+00	100%
Wildlife - direct deposition	5.65E+14	2.94E+14	1.41E+12	48%
Cattle - direct deposition	4.73E+10	0.00E+00	0.00E+00	100%
Point Source	3.89E+13*	1.95E+14	5.33E+11	0%
Total loads /Overall reduction	5.88E+15	7.65E+14	3.27E+12	87%

*Point Source existing is after the addition of VAG407297.

Table 5-16: Fall Creek Wasteload Allocation for *E. coli*

Point Source	Existing Load (cfu/day)	Allocated Load (cfu/day)	Allocated Load (cfu/year)	Percent Reduction
VA0027685	4.96E+07	4.96E+07	1.81E+10	0%
VAG407290	4.77E+06	4.77E+06	1.74E+09	0%
Total	5.44E+07	5.44E+07	1.98E+10*	0%
Total (Future Growth)			9.06E+10	-

*The total allocated load is after the addition of VAG407290.

Table 5-18: Fall Creek Distribution of Annual Average *E. coli* Load under Existing Conditions and TMDL Allocation

Land Use/Source	Annual Average <i>E. coli</i> Loads (cfu/yr)		Allocation (cfu/day)	Percent Reduction (%)
	Existing	Future		
Forest	3.72E+11	3.64E+11	2.08E+09	0%
Cropland	1.02E+12	3.00E+10	1.71E+08	97%
Pasture	4.51E+13	6.09E+11	3.48E+09	97%
Low Density Residential	6.25E+13	1.84E+12	1.05E+10	97%
Medium Density Residential	3.88E+13	1.14E+12	6.51E+09	97%
High Density Residential	1.98E+13	5.82E+11	3.32E+09	97%
Commercial/Industrial	8.54E+12	2.56E+12	1.46E+10	97%
Failed Septic - direct deposition	3.25E+12	0.00E+00	0.00E+00	100%
Wildlife - direct deposition	1.07E+13	1.04E+13	5.96E+10	0%
Cattle - direct deposition	6.97E+09	0.00E+00	0.00E+00	100%
Point Source	1.98E+10*	9.06E+10	2.48E+08	0%
Total loads /Overall reduction	1.90E+14	1.64E+13	1.00E+11	91.4%

*Point Source existing is after the addition of VAG407290.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

APR 29 2009

Mr. Charles Martin
Virginia Department of Environmental Quality
P.O. Box 1105
Richmond, VA 23218

Dear Mr. Martin:

The United States Environmental Protection Agency (EPA) has reviewed the Virginia Department of Environmental Quality's (DEQ's) request to amend the Total Maximum Daily Load (TMDL) and waste load allocations (WLAs) for bacteria in the Dan River in Halifax and Pittsylvania Counties, Virginia. As indicated in your letter, DEQ has proposed the establishment of two new WLAs within the Dan River Watershed for the Herndon Residence STP (VAG407290) and the Barksdale Residence STP (VAG407297). The proposed WLAs for these new discharges would result in an overall loading increase of 9.54×10^6 cfu/100ml. DEQ plans to accommodate this increase without increasing the overall WLA for the TMDL.

DEQs proposed modifications to the WLA account for less than 1% of the total TMDL and are also less than the TMDL's future growth allocation. Based upon this information, EPA approves the requested modifications to the Dan River Bacteria TMDL. If you have any questions or comments concerning this letter, please do not hesitate to call me at (215) 814-5796.

Sincerely,

A handwritten signature in cursive script that reads "Helene Drago".

Helene Drago, Manager
TMDL Program





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April 23, 2009

Mr. Gregory Voigt
US EPA Region III TMDL Virginia Program Manager
USEPA REGION 3 – 3WP12
1650 Arch Street
Philadelphia, PA 19103-2029

RE: Modification of the Wasteload Allocation in the bacteria TMDL developed for the Dan River in Halifax and Pittsylvania Counties, VA

Dear Mr. Voigt:

This letter is to request approval of modifications to the wasteload allocation (WLA) tables in the bacteria TMDL developed for the Dan River in Halifax and Pittsylvania Counties, VA. EPA region III approved the bacteria TMDL addressing the recreational use impairment for the Dan River on 12/8/2008.

The South Boston WWTP (VA0020362), which will discharge into the Dan River, recently submitted an application to DEQ for reissuance of their existing VPDES discharge permit with permitted flow tiers of 2 and 3 MGD. This facility is currently discharging at a flow of 2 MGD. This request could result in an increase to the expanded discharge permit design flow tier to 3 MGD. The Dan River bacteria TMDL currently includes a WLA from this facility of 9.55×10^9 cfu/100 ml bacteria. DEQ proposes to modify the TMDL as described below in the WLA tables to accommodate this discharge allocation increase to 1.43×10^{10} cfu/100ml bacteria.

The revised WLA tables would accommodate these additional discharges at permitted E.coli concentrations of 126 cfu/100ml at the new permitted design flow of 3 MGD for VA0020362. This equates to bacteria WLA increase 1.43×10^{10} cfu/100ml for this facility and overall loading increase to the watershed of 1.43×10^{10} cfu/100ml. This load is less than the future growth component for the Dan River segment and will be taken from this original waste load allocation.

Updating the WLA table in the Dan River bacteria TMDL in accordance with this memo will not cause a water quality violation because this overall modification to the WLA and TMDL are less than the future growth allocation, and because Virginia's Water Quality Standards for bacteria that treated effluent discharged into a receiving stream meet the bacteria criteria for the stream. In addition, the TMDL included modeling results to confirm that the water quality standard would not be violated if permitted dischargers are required to discharge at an E.coli concentration of 126 cfu/100ml.

Public Comment for VA0020362 will be concurrent with the permit re-issuance public notice. There is a 30-day public comment period set to expire on an expected publication date of April 13, 2009. Pending comments, DEQ submits these proposed modifications of the Dan River bacteria TMDL to EPA Region III for approval. Following EPA approval, DEQ will issue the revised permit.

Permit Details

The current permit for South Boston WWTP (VA0020362) will expire on June 5, 2009.

TMDL Revisions

These changes affect the following tables, figures and text.

Table 3-14: Individual Permitted Facilities within the Dan River Watershed, Virginia

Table 5-2: Dan River Wasteload Allocation for E.coli

Table 5-4: Dan River Distribution of Annual Average E.coli Load under Existing Conditions and TMDL Allocation

Table 5-5: Dan River Bacteria TMDL (cfu/day) for E.coli

Table 3.14: Individual Permitted Facilities within the Dan River Watershed, Virginia

Permit No	Facility Name	Receiving Stream	Status	Size	Category	Design Flow (MGD)
VA0052841	Colonial Pipeline Co - Witt Station	Fall Creek, UT	Active	Minor	Industrial	0.0059
VA0001627	Corning Inc - Danville	Rutledge Creek	Active	Minor	Industrial	0.692
VA0074586	Country Oaks LLC STP	Sandy Creek	Active	Minor	Municipal	0.03
VA0060593	Danville City - Northside	Dan River	Application	Major	Municipal	24
VA0001201	Goodyear Tire & Rubber Co - Danville	Hogans Creek, UT1	Active	Minor	Industrial	0.13
VA0022705	Halifax County Schools Cluster Springs Elem	Stokes Creek/U.T.	Active	Minor	Municipal	0.0051
VA0027685	Pittsylvania Co - Dan River High School	Little Fall Creek, UT	Active	Minor	Municipal	0.0104
VA0027693	Pittsylvania Co - Tunstall High School	Stewart Creek, UT	Active	Minor	Municipal	0.012
VA0089893	South Boston WTP	Poplar Creek	Active	Minor	Industrial	0.04
VA0020362	South Boston WWTP	Dan River	Active	Major	Municipal	3
VA0001554	Hanesbrands Incorporated	Smith River	Active	Major	Industrial	0.3881
VA0021989	Virginia Glass Products Corp	Machine Branch, UT	Active	Minor	Industrial	0.008
VA0023558	DOC - Patrick Henry Correctional Unit 28	Jennings Creek, UT	Active	Minor	Municipal	0.028
VA0025305	Martinsville City Sewage Treatment Plant	Smith River	Active	Major	Municipal	8
VA0029858	Carver Estates - Sewage Treatment Plant	Grassy Creek	Active	Minor	Municipal	0.06
VA0030660	DCR - Fairy Stone State Park	Hale Creek	Active	Minor	Industrial	0.0005
VA0058441	Upper Smith River Water Filtration Plant	Smith River, UT	Active	Minor	Industrial	0.096
VA0060445	Henry County Public SA - Piedmont Estates Lagoon	Mill Creek	Active	Minor	Municipal	0.04
VA0069345	Henry County PSA - Lower Smith River STP	Smith River	Active	Major	Municipal	4
VA0072354	CPFilms Inc - Plant 1	Smith River	Active	Minor	Industrial	4.2
VA0086665	Bassett Mirror Company Incorporated	Town Creek	Active	Minor	Industrial	0.0035
VA0090174	Green Acres Mobile Home Park	Tanyard Branch	Active	Minor	Municipal	0.01
VA0090280	Henry County Public SA - Greenbriar Lagoon STP	Grassy Creek	Active	Minor	Municipal	0.032
VA0090310	Philpott Dam Hydroelectric Plant	Smith River	Active	Minor	Industrial	0.0638

Table 5-2: Dan River Wasteload Allocation for *E. coli*

Point Source	Existing Load (cfu/day)	Allocated Load (cfu/day)	Allocated Load (cfu/year)	Percent Reduction
VA0020362	1.43E+10	1.43E+10	5.22E+12	0%
VA0022705	2.43E+07	2.43E+07	8.89E+09	0%
VAG402052	2.15E+06	2.15E+06	7.84E+08	0%
VAG404018	2.15E+06	2.15E+06	7.84E+08	0%
VAG404039	2.15E+06	2.15E+06	7.84E+08	0%
VAG404043	2.15E+06	2.15E+06	7.84E+08	0%
VAG404067	1.43E+06	1.43E+06	5.23E+08	0%
VAG404095	4.77E+06	4.77E+06	1.74E+09	0%
VAG404104	4.77E+06	4.77E+06	1.74E+09	0%
VAG404108	4.77E+06	4.77E+06	1.74E+09	0%
VAG404112	4.77E+06	4.77E+06	1.74E+09	0%
VAG404119	4.77E+06	4.77E+06	1.74E+09	0%
VAG404121	2.15E+06	2.15E+06	7.84E+08	0%
VAG404123	1.43E+06	1.43E+06	5.23E+08	0%
VAG404127	4.77E+06	4.77E+06	1.74E+09	0%
VAG404138	2.15E+06	2.15E+06	7.84E+08	0%
VAG404160	2.15E+06	2.15E+06	7.84E+08	0%
VAG404163	4.77E+06	4.77E+06	1.74E+09	0%
VAG404173	2.15E+06	2.15E+06	7.84E+08	0%
VAG404195	4.30E+06	4.30E+06	1.57E+09	0%
VAG407197	4.77E+06	4.77E+06	1.74E+09	0%
VAG407218	2.15E+06	2.15E+06	7.84E+08	0%
VAG407220	4.77E+06	4.77E+06	1.74E+09	0%
VAG407223	2.15E+06	2.15E+06	7.84E+08	0%
VAG407240	1.43E+06	1.43E+06	5.23E+08	0%
VAG407244	2.15E+06	2.15E+06	7.84E+08	0%
VAG407245	4.77E+05	4.77E+05	1.74E+08	0%
VAG407246	2.15E+06	2.15E+06	7.84E+08	0%
VAG407247	1.43E+06	1.43E+06	5.23E+08	0%
VPG100019	2.86E+06	2.86E+06	1.04E+09	0%
VPG100049	2.86E+06	2.86E+06	1.04E+09	0%
VPG100056	2.86E+06	2.86E+06	1.04E+09	0%
VPG120007	2.86E+06	2.86E+06	1.04E+09	0%
VAG407297	4.77E+06	4.77E+06	1.74E+09	0%
Total	1.44E+10	1.44E+10	5.26E+12	0%
Total (Future Growth)			1.76E+13	-

*Total allocated load with the addition of the 3MGD tier for VA0020362.

Table 5-4: Dan River Distribution of Annual Average *E. coli* Load under Existing Conditions and TMDL Allocation

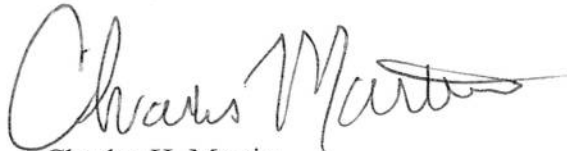
Land Use/Source	Average <i>E. coli</i> Loads (cfu/yr)		Allocation	Percent
	Existing	Future	(cfu/day)	Reduction (%)
Forest	2.06E+13	2.06E+13	9.89E+10	0%
Cropland	3.37E+13	1.69E+12	8.10E+09	95%
Pasture	3.10E+15	1.55E+14	7.44E+11	95%
Low Density Residential	8.27E+14	4.14E+13	1.99E+11	95%
Medium Density Residential	4.33E+14	2.17E+13	1.04E+11	95%
High Density Residential	3.40E+14	1.70E+13	8.17E+10	95%
Commercial/Industrial	3.80E+14	1.90E+13	9.14E+10	95%
Failed Septic - direct deposition	1.43E+14	0.00E+00	0.00E+00	100%
Wildlife - direct deposition	5.65E+14	2.94E+14	1.41E+12	48%
Cattle - direct deposition	4.73E+10	0.00E+00	0.00E+00	100%
Point Source	4.06E+13*	1.95E+14	5.33E+11	0%
Total loads /Overall reduction	5.88E+15	7.65E+14	3.27E+12	87%

*Point Source existing is after the addition of VA0020362, the additional allocation is less than the future growth.

VADEQ therefore proposes to replace tables in the bacteria TMDL report with these tables. Revised chapters 3 and 5 are contained on the accompanying disk.

In accordance with EPA's August 2003 letter to VADEQ, VADEQ hereby requests EPA approval of the proposed modification. If you or your staff has any questions, please contact me at (804) 698-4462.

Sincerely,



Charles H. Martin
Environmental Program Manager
Watershed Programs

cc: Jack Frye, VADCR
Sandra Mueller, VADEQ
Paula Nash, TMDL coordinator
File CO



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

MAIL CODE 3WP30

MAY 05 2009

Mr. Charles Martin
Virginia Department of Environmental Quality
P.O. Box 1105
Richmond, VA 23218

Dear Mr. Martin:

The United States Environmental Protection Agency (EPA) has reviewed the Virginia Department of Environmental Quality's (DEQ's) request to amend the Total Maximum Daily Load (TMDL) and waste load allocations (WLAs) for bacteria in the Dan River in Halifax and Pittsylvania Counties, Virginia. As indicated in your letter, DEQ has proposed the establishment of an increased WLA for the South Boston WWTP (VA0020362).

DEQ's proposed modifications to the WLA are less than the TMDL's future growth allocation. Based upon this information, EPA approves the requested modifications to the Dan River Bacteria TMDL. If you have any questions or comments concerning this letter, please do not hesitate to call me at (215) 814-5796.

Sincerely,

Helene Drago, Manager
TMDL Program

