



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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Secretary of Natural Resources

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Director

(804) 698-4020
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February 28, 2017

Mr. Thomas Appleman
Upper Occoquan Service Authority
14631 Compton Road
Centreville, VA 20121

RE: VAN010019 - UOSA - Centreville
General Permit for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Bay Watershed in Virginia

Dear Mr. Appleman:

We have reviewed your Registration Statement and determined that the referenced facility is hereby covered under the General Permit for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Watershed in Virginia. The enclosed copy of the general permit contains the applicable monitoring and reporting requirements and other conditions of coverage. Also enclosed is a registration list containing the applicable effluent limitations for your facility and a copy of 9 VAC 25-820-80 listing facilities subject to Part I.C.1 of the permit.

Please refer to Parts I.E. and I.F. of the general permit for monitoring and reporting requirements. **There are several changes to these sections to note, especially those dealing with sample collection frequency and quantification levels.** The effective date of any new requirements is March 1, 2017.

A Discharge Monitoring Report (DMR) form is no longer included in the reissuance package. DEQ has launched an electronic DMR (e-DMR) program that allows you to submit the effluent monitoring data electronically, and we expect every permittee to use e-DMR as permits are issued or reissued. Answers to frequently asked questions about the e-DMR system, including the e-DMR registration process, are available at the following website:

<http://www.deq.virginia.gov/Programs/Water/PermittingCompliance/ElectronicDMRsubmissions.aspx>.

The first electronic DMR submittal for March 2017 is due by April 10, 2017. If you are not currently participating in the e-DMR program for the watershed general permit, please complete the e-DMR Reporting System Facility Participation Package and submit it to your DEQ regional office by March 17, 2017 so that it may be processed prior to April 1st. If you are currently reporting by e-DMR no further action is required.

If you have any questions regarding the general permit, please call Mr. Matthew Richardson at (804) 698-4195.

Sincerely,

Allan Brockenbrough, II, P.E.
Manager- Office of VPDES Permits



COMMONWEALTH of VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY

General Permit No.: VAN010019

Effective Date: January 1, 2017

Expiration Date: December 31, 2021

GENERAL PERMIT FOR TOTAL NITROGEN AND TOTAL PHOSPHORUS DISCHARGES AND NUTRIENT TRADING IN THE CHESAPEAKE WATERSHED IN VIRGINIA

AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act, as amended, and pursuant to the State Water Control Law and regulations adopted pursuant to it, owners of facilities holding a VPDES individual permit or owners of facilities that otherwise meet the definition of an existing facility, with total nitrogen or total phosphorus discharges, or both to the Chesapeake Bay or its tributaries, are authorized to discharge to surface waters and exchange credits for total nitrogen or total phosphorus, or both.

The authorized discharge shall be in accordance with the registration statement filed with DEQ, this cover page, Part I-Special Conditions Applicable to All Facilities, Part II-Special Conditions Applicable to New and Expanded Facilities, and Part III-Conditions Applicable to All VPDES Permits, as set forth herein.

Part I
Special Conditions Applicable To All Facilities

A. Authorized activities.

1. Authorization to discharge for owners of facilities required to register.
 - a. Every owner or operator of a facility required to submit a registration statement to the department by November 1, 2016, and thereafter upon the reissuance of this general permit, shall be authorized to discharge total nitrogen and total phosphorus subject to the requirements of this general permit upon the department's approval of the registration statement.
 - b. Any owner or operator of a facility required to submit a registration statement with the department at the time he makes application with the department for a new discharge or expansion that is subject to an offset or technology-based requirement in Part II of this general permit, shall be authorized to discharge total nitrogen and total phosphorus subject to the requirements of this general permit upon the department's approval of the registration statement.
 - c. Upon the department's approval of the registration statement, a facility will be included in the registration list maintained by the department.
2. Authorization to discharge owners of facilities not required to register. Any owner of a facility authorized by a VPDES permit and not required by this general permit to submit a registration statement shall be deemed to be authorized to discharge total nitrogen and total phosphorus under this general permit at the time it is issued. Owners or operators of facilities that are deemed to be permitted under this subsection shall have no obligation under this general permit prior to submitting a registration statement and securing coverage under this general permit based upon such registration statement.
3. Continuation of permit coverage.
 - a. Any owner authorized to discharge under this general permit and who submits a complete registration statement for the reissued general permit by November 1, 2021, in accordance with Part III M or who is not required to register in accordance with Part I A 2 is authorized to continue to discharge under the terms of this general permit until such time as the board either:
 - (1) Issues coverage to the owner under the reissued general permit, or
 - (2) Notifies the owner that the discharge is not eligible for coverage under this general permit
 - b. When the owner that was covered under the expiring or expired general permit has violated or is violating the conditions of that permit, the board may choose to do any or all of the following:
 - (1) Initiate enforcement action based upon the 2012 general permit,
 - (2) Issue a notice of intent to deny coverage under the reissued general permit. If the general permit coverage is denied, the owner would then be required to cease the activities discharges authorized by the administratively continued coverage under the terms of the 2012 general permit or be subject to enforcement action for operating without a permit, or
 - (3) Take other actions authorized by the State Water Control Law.

B. Wasteload allocations.

1. Wasteload allocations allocated to permitted facilities pursuant to 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C of the Water Quality Management Planning Regulation, or applicable TMDLs, or wasteload allocations acquired by owners of new and expanding facilities to offset new or increased delivered total nitrogen and delivered total phosphorus loads from a new discharge or expansion under Part II B of this general permit, and existing loads calculated from the permitted design capacity of expanding facilities not previously covered by this general permit, shall be incorporated into the registration list

maintained by the department. The wasteload allocations contained in this list shall be enforceable as annual mass load limits in this general permit. Credits shall not be generated by facilities whose operations were previously authorized by a Virginia Pollution Abatement (VPA) permit that was issued before July 1, 2005.

2. Except as described in subdivisions 2 c and 2 d of this subsection, an owner or operator of two or more facilities covered by this general permit and discharging to the same tributary may apply for and receive an aggregated mass load limit for delivered total nitrogen and an aggregated mass load limit for delivered total phosphorus reflecting the total of the water quality-based total nitrogen and total phosphorus wasteload allocations or permitted design capacities established for such facilities individually.

a. The permittee (and all of the individual facilities covered under a single registration) shall be deemed to be in compliance when the aggregate mass load discharged by the facilities is less than the aggregate load limit.

b. The permittee will be eligible to generate credits only if the aggregate mass load discharged by the facilities is less than the total of the wasteload allocations assigned to any of the affected facilities.

c. The aggregation of mass load limits shall not affect any requirement to comply with local water quality-based limitations.

d. Facilities whose operations were previously authorized by a Virginia Pollution Abatement (VPA) permit that was issued before July 1, 2005, cannot be aggregated with other facilities under common ownership or operation.

e. Operation under an aggregated mass load limit in accordance with this section shall not be deemed credit acquisition as described in Part I J 2 of this general permit.

3. An owner that consolidates two or more facilities discharging to the same tributary into a single regional facility may apply for and receive an aggregated mass load limit for delivered total nitrogen and an aggregated mass load limit for delivered total phosphorus, subject to the following conditions:

a. If all of the affected facilities have wasteload allocations in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C of the Water Quality Management Planning Regulation, the aggregate mass load limit shall be calculated by adding the wasteload allocations of the affected facilities. The regional facility shall be eligible to generate credits.

b. If any, but not all, of the affected facilities has a wasteload allocation in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C of the Water Quality Management Planning Regulation, the aggregate mass load limit shall be calculated by adding:

(1) Wasteload allocations of those facilities that have wasteload allocations in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C of the Water Quality Management Planning Regulation;

(2) Permitted design capacities assigned to affected industrial facilities; and

(3) Loads from affected sewage treatment works that do not have a wasteload allocation in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C of the Water Quality Management Planning Regulation, defined as the lesser of a previously calculated permitted design capacity, or the values calculated by the following formulae:

$$\text{Nitrogen Load (lbs/day)} = \text{flow} \times 8.0 \text{ mg/l} \times 8.345 \times 365 \text{ days/year}$$

$$\text{Phosphorus Load (lbs/day)} = \text{flow} \times 1.0 \text{ mg/l} \times 8.345 \times 365 \text{ days/year}$$

Flows used in the preceding formulae shall be the design flow of the treatment works from which the affected facility currently discharges.

The regional facility shall be eligible to generate credits.

c. If none of the affected facilities have a wasteload allocation in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C of the Water Quality Management Planning

Regulation, the aggregate mass load limit shall be calculated by adding the respective permitted design capacities for the affected facilities.

d. Facilities whose operations were previously authorized by a Virginia Pollution Abatement (VPA) permit that was issued before July 1, 2005, may be consolidated with other facilities under common ownership or operation, but their allocations cannot be transferred to the regional facility.

e. Facilities whose operations were previously authorized by a VPA permit that was issued before July 1, 2005, can become regional facilities, but they cannot receive additional allocations beyond those permitted in Part II B 1 d of this general permit.

4. Unless otherwise noted, the nitrogen and phosphorus wasteload allocations assigned to permitted facilities are considered total loads, including nutrients present in the intake water from the river, as applicable. On a case-by-case basis, an industrial discharger may demonstrate to the satisfaction of the board that a portion of the nutrient load originates in its intake water. This demonstration shall be consistent with the assumptions and methods used to derive the allocations through the Chesapeake Bay models. In these cases, the board may limit the permitted discharge to the net nutrient load portion of the assigned wasteload allocation.

5. Bioavailability. Unless otherwise noted, the entire nitrogen and phosphorus wasteload allocations assigned to permitted facilities are considered to be bioavailable to organisms in the receiving stream. On a case-by-case basis, a discharger may demonstrate to the satisfaction of the board that a portion of the nutrient load is not bioavailable; this demonstration shall not be based on the ability of the nutrient to resist degradation at the wastewater treatment plant, but instead, on the ability of the nutrient to resist degradation within a natural environment for the amount of time that it is expected to remain in the bay watershed. This demonstration shall also be consistent with the assumptions and methods used to derive the allocations through the Chesapeake Bay models. In these cases, the board may limit the permitted discharge to the bioavailable portion of the assigned wasteload allocation.

C. Schedule of compliance.

1. The following schedule of compliance pertaining to the load allocations for total nitrogen and total phosphorus applies to the facilities listed in 9VAC25-820-80.

a. Compliance shall be achieved as soon as possible, but no later than the following dates, subject to any compliance plan-based adjustment by the board pursuant to subdivision 1 b of this subsection, for each upgrade phase:

Upgrade Phase	Limit Effective Date
Phase 1 Total Nitrogen	January 1, 2017
Phase 2 Total Nitrogen	January 1, 2022
Phase 2 Total Phosphorus	January 1, 2017

b. Following submission of compliance plans and compliance plan updates required by 9VAC25-820-40, the board shall reevaluate the schedule of compliance in subdivision 1 a of this subsection, taking into account the information in the compliance plans and the factors in § 62.1-44.19:14 C 2 of the Code of Virginia. When warranted based on such information and factors, the board shall adjust the schedule in subdivision 1 a of this subsection as appropriate by modification or reissuance of this general permit.

2. The registration list shall contain individual dates for compliance with wasteload allocations for dischargers, as follows:

a. Owners of facilities listed in 9VAC25-820-80 will have individual dates for compliance based on their respective compliance plans, that may be earlier than the upgrade phase schedule listed in subdivision 1 of this subsection.

b. Owners of facilities listed in 9VAC25-820-80 that waive their compliance schedules in accordance with 9VAC25-820-40 A 2 b shall have an individual compliance date of January 1, 2017.

c. Upon completion of the projects contained in their compliance plans, owners of facilities listed in 9VAC25-820-80 may receive a revised individual compliance date of January 1 for the calendar year immediately following the year in which a Certificate to Operate was issued for the capital projects, but not later than the upgrade phase schedule listed in subdivision 1 of this subsection.

d. Owners of new and expanded facilities will have individual dates for compliance corresponding to the date that coverage under this general permit was extended to discharges from the facility.

3. The significant dischargers in the James River Basin shall meet aggregate discharged wasteload allocations of 8,968,864 lbs/yr TN and 545,558 lbs/yr TP by January 1, 2023.

D. Annual update of compliance plan. Every owner or operator of a facility required to submit a registration statement shall either individually or through the Virginia Nutrient Credit Exchange Association submit updated compliance plans to the department no later than February 1 of each year. The compliance plans shall contain sufficient information to document a plan to achieve and maintain compliance with applicable total nitrogen and total phosphorus individual wasteload allocations on the registration list and aggregate wasteload allocations in Part I C 3. Compliance plans for owners of facilities that were required to submit a registration statement with the department under Part I G 1 a may rely on the acquisition of point source credits in accordance with Part I J of this general permit, but not the acquisition of credits through payments into the Nutrient Offset Fund, to achieve compliance with the individual and combined wasteload allocations in each tributary. Compliance plans for expansions or new discharges for owners of facilities that are required to submit a registration statement with the department under Part I G 1 b and c may rely on the acquisition of allocation in accordance with Part II B of this general permit to achieve compliance with the individual and combined wasteload allocations in each tributary.

E. Monitoring requirements.

1. Discharges shall be monitored by the permittee during weekdays as specified below unless the department determines that weekday only sampling results in a non-representative load. Weekend monitoring or alternative monthly load calculations to address production schedules or seasonal flows shall be submitted to the department for review and approval on a case-by-case basis. Facilities that exhibit instantaneous discharge flows that vary from the daily average discharge flow by less than 10% may submit a proposal to the department to use an alternative sample type; such proposals shall be reviewed and approved by the department on a case-by-case basis.

Parameter	Sample Type and Collection Frequency				
	≥20.0 MGD	1.0 - 19,999 MGD	0.5 - 0.999 MGD	0.040 - 0.499 MGD	< 0.040 MGD
Effluent TN load limit for industrial facilities		100,000 - > 350,000 lb/yr	50,000 - -99,999 lb/yr	487 - 49,999 lb/yr	< 487 lb/yr
Effluent TP load limit for industrial facilities		10,000 - > 35,000 lb/yr	5,000 - 9,999 lb/yr	37 - 4,999 lb/yr	< 37 lb/yr
Flow	Totalizing, Indicating, and Recording				1/Day, see individual VPDES permit for sample type
Nitrogen Compounds (Total Nitrogen = TKN + NO2- (as N) + NO3- (as N))	24 HC 3 Days/Week	24 HC 2 Days/Week*	8 HC 2 Days/Week*	8 HC 2/Month, > 7 days apart	1/Month Grab
Total Phosphorus	24 HC 3 Days/Week	24 HC 2 Days/Week*	8 HC 2 Days/Week*	8 HC 2/Month, > 7 days apart	1/Month Grab
*Two flow composited samples taken in the same calendar week that are then composited by flow into a single					

weekly composite sample for analysis shall be considered to be in compliance with this requirement.

2. Monitoring for compliance with effluent limitations shall be performed in a manner identical to that used to determine compliance with effluent limitations established in the individual VPDES permit unless specified otherwise in subdivisions 3, 4, and 5 of Part I E. Monitoring or sampling shall be conducted according to analytical laboratory methods approved under 40 CFR Part 136, unless other test or sample collection procedures have been requested by the permittee and approved by the department in writing. All analysis for compliance with effluent limitations shall be conducted in accordance with 1VAC30-45, Certification for Noncommercial Environmental Laboratories, or 1VAC30-46, Accreditation for Commercial Environmental Laboratories. Monitoring may be performed by the permittee at frequencies more stringent than listed in subdivision 1 of Part I E; however, the permittee shall report all results of such monitoring.

3. Loading values greater than or equal to 10 pounds reported in accordance with Part I E and F of this general permit shall be calculated and reported to the nearest pound without regard to mathematical rules of precision. Loading values of less than 10 pounds reported in accordance with Part I E and F of this general permit shall be calculated and reported to at least two significant digits with the exception that all complete calendar year annual loads shall be reported to the nearest pound.

4. Data shall be reported on a form provided by the department, by the same date each month as is required by the owner's individual VPDES permit. The total monthly load shall be calculated in accordance with the following formula:

$$ML = \left(\frac{\sum DL}{s} \right) \times d$$

where:

ML = total monthly load (lb/mo) = average daily load for the calendar month multiplied by the number of days of the calendar month on which a discharge occurred

DL = daily load = daily concentration (expressed as mg/l to the nearest 0.01 mg/l) multiplied by the flow volume of effluent discharged during the 24-hour period (expressed as MGD to at least the nearest 0.01 MGD and in no case less than two significant digits), multiplied by 8.345. Daily loads greater than or equal to 10 pounds may be rounded to the nearest whole number to convert to pounds per day (lbs/day). Daily loads less than or equal to 10 pounds may be rounded to no fewer than two significant figures.

s = number of days in the calendar month in which a sample was collected and analyzed

d = number of discharge days in the calendar month

For total phosphorus, all daily concentration data below the quantification level (QL) for the analytical method used shall be treated as half the QL. All daily concentration data equal to or above the QL for the analytical method used shall be treated as it is reported. If all data are below the QL, then the average shall be reported as half the QL.

For total nitrogen (TN), if none of the daily concentration data for the respective species (i.e., TKN, nitrates/nitrites) are equal to or above the QL for the respective analytical methods used, the daily TN concentration value reported shall equal one half of the largest QL used for the respective species. If one of the data is equal to or above the QL, the daily TN concentration value shall be treated as that data point as reported. If more than one of the data is above the QL, the daily TN concentration value shall equal the sum of the data points as reported.

The quantification levels shall be less than or equal to the following concentrations:

Parameter	Quantification Level
TKN	0.50 mg/l
Nitrite	0.10 mg/l
Nitrate	0.20 mg/l
Nitrite + Nitrate	0.20 mg/l

Higher QLs may be approved on a case-by-case basis where a higher QL routinely results in reportable results of the species in question or is otherwise technically appropriate based on standard lab practices.

The total year-to-date mass load shall be calculated in accordance with the following formula:

$$AL_{YTD} = \sum_{(Jan-present)} ML$$

where:

AL-YTD = calendar year-to-date annual load (lb/yr)

ML = total monthly load (lb/mo)

The total annual mass load shall be calculated in accordance with the following formula:

$$AL = \sum_{(Jan-Dec)} ML$$

where:

AL = calendar year annual load (lb/yr)

ML = total monthly load (lb/mo)

5. The department may authorize a chemical usage evaluation as an alternative means of determining nutrient loading for outfalls where the only source of nutrients is that found in the surface water intake and chemical additives used by the facility. Such an evaluation shall be submitted to the department for review and approval on a case-by-case basis. Implementation of approved chemical usage evaluations shall satisfy the requirements specified under Part I E 1 and 2.

F. Annual reporting.

On or before February 1, annually, each permittee shall file a discharge monitoring report with the department identifying the annual mass load of total nitrogen and the annual mass load of total phosphorus discharged by the permitted facility during the previous calendar year.

G. Requirement to register; exclusions.

1. The following owners or operators are required to register for coverage under this general permit:

a. Every owner or operator of an existing facility authorized by a VPDES permit to discharge 100,000 gallons or more per day from a sewage treatment work, or an equivalent load from an industrial facility, directly into tidal waters, or 500,000 gallons or more per day from a sewage treatment works, or an equivalent load from an industrial facility, directly into nontidal waters, shall submit a registration statement to the department by November 1, 2016, and thereafter upon the reissuance of this general permit in accordance with Part III M. The conditions of this general permit will apply to such owner and operator upon approval of a registration statement.

b. Any owner or operator of a facility authorized by a Virginia Pollutant Discharge Elimination System permit to discharge 40,000 gallons or more per day from a sewage treatment works, or an equivalent load from an

industrial facility, directly into tidal or nontidal waters shall submit a registration statement with the department at the time he makes application for an individual permit with the department for a new discharge or expansion that is subject to an offset requirement in Part II of this general permit or to a technology-based requirement in 9VAC25-40-70, and thereafter upon the reissuance of this general permit in accordance with Part III M. The conditions of this general permit will apply to such owner or operator beginning January 1 of the calendar year immediately following approval of a registration statement and issuance or modification of the individual permit.

c. Any owner or operator of a facility treating domestic sewage authorized by a VPDES permit with a discharge greater than 1,000 gallons per day up to and including 39,999 gallons per day that did not commence the discharge of pollutants prior to January 1, 2011, shall submit a registration statement with the department at the time he makes application for an individual permit with the department or prior to commencing a discharge, whichever occurs first, and thereafter upon the reissuance of this general permit in accordance with Part III M.

2. All other categories of discharges are excluded from registration under this general permit.

H. Registration statement.

1. The registration statement shall contain the following information:

a. Name, mailing address and telephone number, email address and fax number of the owner (and facility operator, if different from the owner) applying for permit coverage;

b. Name (or other identifier), address, city or county, contact name, phone number, email address and fax number for the facility for which the registration statement is submitted;

c. VPDES permit numbers for all permits assigned to the facility, or pursuant to which the discharge is authorized;

d. If applying for an aggregated wasteload allocation in accordance with Part I B 2 of this permit, a list of all affected facilities and the VPDES permit numbers assigned to these facilities;

e. For new and expanded facilities, a plan to offset new or increased delivered total nitrogen and delivered total phosphorus loads, including the amount of wasteload allocation acquired. Wasteload allocations or credits sufficient to offset projected nutrient loads must be provided for period of at least five years; and

f. For existing facilities, the amount of a facility's wasteload allocation transferred to or from another facility to offset new or increased delivered total nitrogen and delivered total phosphorus loads from a new discharge or expansion.

2. The registration statement shall be submitted to the DEQ Central Office, Office of VPDES Permits.

3. An amended registration statement shall be submitted to DEQ immediately upon the acquisition or transfer of a facility's wasteload allocation to offset new or increased delivered total nitrogen and delivered total phosphorus loads from a new discharge or expansion.

I. Public notice for registration statements proposing modifications or incorporations of new waste load allocations or delivery factors.

1. All public notices issued pursuant to a proposed modification or incorporation of a (i) new wasteload allocation to offset new or increased delivered total nitrogen and delivered total phosphorus loads from a new discharge or expansion, or (ii) delivery factor, shall be published once a week for two consecutive weeks in a local newspaper of general circulation serving the locality where the facility is located informing the public that the owner of the facility intends to apply for coverage under this general permit. At a minimum, the notice shall include:

a. A statement of the owner's or operator's intent to register for coverage under this general permit;

b. A brief description of the facility and its location;

c. The amount of wasteload allocation that will be acquired or transferred if applicable;

- d. The delivery factor for a new discharge or expansion;
 - e. If applicable, any proposed nonpoint source to point source trading ratio less than 2:1 proposed under Part II B 1 b (1).
 - f. A statement that the purpose of the public participation is to acquaint the public with the technical aspects of the facility and how the standards and the requirements of this chapter will be met, to identify issues of concern, to facilitate communication, and to establish a dialogue between the owner or operator and persons who may be affected by the discharge from the facility;
 - g. An announcement of a 30-day comment period and the name, telephone number, and address of the owner's or operator's representative who can be contacted by the interested persons to answer questions;
 - h. The name, telephone number, and address of the DEQ representative who can be contacted by the interested persons to answer questions, or where comments shall be sent; and
 - i. The location where copies of the documentation to be submitted to the department in support of this general permit notification and any supporting documents can be viewed and copied.
2. The owner or operator shall place a copy of the documentation and support documents in a location accessible to the public in the vicinity of the proposed facility.
3. The public shall be provided 30 days to comment on the technical and the regulatory aspects of the proposal. The comment period will begin on the date the notice is published in the local newspaper.

J. Compliance with wasteload allocations.

1. Methods of compliance. The owner of the permitted facility shall comply with its wasteload allocation contained in the registration list maintained by the department. The owner of the permitted facility shall be in compliance with its wasteload allocation if:
- a. The annual mass load is less than or equal to the applicable wasteload allocation assigned to the facility in this general permit (or permitted design capacity for expanded facilities without allocations);
 - b. The owner of the permitted facility acquires sufficient point source nitrogen or phosphorus credits in accordance with subdivision 2 of this subsection; provided, however, that the acquisition of nitrogen or phosphorus credits pursuant to this section shall not alter or otherwise affect the individual wasteload allocations for each permitted facility; or
 - c. In the event it he is unable to meet the individual wasteload allocation pursuant to subdivision 1 a or 1 b of this subsection, the owner of the permitted facility acquires sufficient nitrogen or phosphorus credits through payments made into the Nutrient Offset Fund pursuant to subdivision 3 of this subsection; provided, however, that the acquisition of nitrogen or phosphorus credits pursuant to this section shall not alter or otherwise affect the individual wasteload allocations for each permitted facility.
2. Credit acquisition from owners of permitted facilities. A permittee may acquire point source nitrogen credits or point source phosphorus credits from one or more owners of permitted facilities only if:
- a. The credits are generated and applied to a compliance obligation in the same calendar year;
 - b. The credits are generated by one or more permitted facilities in the same tributary, except that owners of permitted facilities in the Eastern Shore Basin may also acquire credits from owners of permitted facilities in the Potomac and Rappahannock tributaries. Owners of Eastern Shore Basin facilities may acquire credits from the owners of Potomac tributary facilities at a trading ratio of 1:1. A trading ratio of 1.3:1 shall apply to the acquisition of credits from the owners of a Rappahannock tributary facility by the owner of an Eastern I Shore Basin facility;
 - c. The exchange or acquisition of credits does not affect any requirement to comply with local water quality-based limitations as determined by the board;

d. The credits are acquired no later than June 1 immediately following the calendar year in which the credits are applied;

e. The credits are generated by a facility that has been constructed, and has discharged from treatment works whose design flow or equivalent industrial activity is the basis for the facility's wasteload allocations (until a facility is constructed and has commenced operation, such credits are held, and may be sold, by the Nutrient Offset Fund; and

f. No later than June 1 immediately following the calendar year in which the credits are applied, the permittee certifies on a credit exchange notification form supplied by the department that he has acquired sufficient credits to satisfy his compliance obligations. The permittee shall comply with the terms and conditions contained in the credit exchange notification form submitted to the department.

3. Credit acquisitions from the Nutrient Offset Fund. Until such time as the board finds that no allocations are reasonably available in an individual tributary, permittees that cannot meet their total nitrogen or total phosphorus effluent limit may acquire nitrogen or phosphorus credits through payments made into the Nutrient Offset Fund established in § 10.1-2128 10.1-2128.2 of the Code of Virginia only if, no later than June 1 immediately following the calendar year in which the credits are to be applied, the permittee certifies on a form supplied by the department that he has diligently sought, but has been unable to acquire, sufficient credits to satisfy his compliance obligations through the acquisition of point source nitrogen or phosphorus credits with other permitted facilities, and that he has acquired sufficient credits to satisfy his compliance obligations through one or more payments made in accordance with the terms of this general permit. Such certification may include, but not be limited to, providing a record of solicitation or demonstration that point source allocations are not available for sale in the tributary in which the permittee's facility is located. Payments to the Nutrient Offset Fund shall be in the amount of \$4.60 for each pound of nitrogen and \$10.10 for each pound of phosphorus and shall be subject to the following requirements:

a. The credits are generated and applied to a compliance obligation in the same calendar year.

b. The credits are generated in the same tributary, except that owners of permitted facilities in the Eastern Shore Basin may also acquire credits from the owners of facilities that discharge to the Potomac and Rappahannock tributaries. Owners of Eastern Shore Basin facilities may acquire credits from the owners of facilities that discharge to a Potomac tributary at a trading ratio of 1:1. A trading ratio of 1.3:1 shall apply to the acquisition of credits from owners of facilities that discharge to a Rappahannock tributary by the owners of an Eastern Shore Basin facility.

c. The acquisition of credits does not affect any requirement to comply with local water quality-based limitations, as determined by the board.

4. This general permit neither requires, nor prohibits a municipality or regional sewerage authority's development and implementation of trading programs among industrial users, which are consistent with the pretreatment regulatory requirements at 40 CFR Part 403 and the municipality's or authority's individual VPDES permit.

Part II

Special Conditions Applicable To New And Expanded Facilities

A. Offsetting mass loads discharged by new and expanded facilities.

1. An owner or operator of a new or expanded facility shall comply with the applicable requirements of this section as a condition of the facility's coverage under this general permit.

a. An owner or operator of a facility authorized by a VPDES permit first issued before July 1, 2005, that expands the facility to discharge 40,000 gallons or more per day, or an equivalent load, shall demonstrate to the department that he has acquired wasteload allocations sufficient to offset any increase in his delivered total nitrogen and delivered total phosphorus loads resulting from any expansion beyond his permitted capacity as of July 1, 2005.

b. An owner or operator of a facility authorized by a VPDES permit first issued on or after July 1, 2005, to discharge 40,000 gallons or more per day, or an equivalent load, shall demonstrate to the department that he has acquired wasteload allocations sufficient to offset his delivered total nitrogen and delivered total phosphorus loads.

c. An owner or operator of a facility treating domestic sewage authorized by a VPDES permit with a discharge greater than 1,000 gallons per day up to and including 39,999 gallons per day that did not commence the discharge of pollutants prior to January 1, 2011, shall demonstrate to the department that he has acquired wasteload allocations sufficient to offset his delivered total nitrogen and delivered phosphorus loads prior to commencing the discharge, except when the facility is for short-term temporary use only as determined by the department or when treatment of domestic sewage is not the primary purpose of the facility.

2. Offset calculations shall address the proposed discharge that exceeds:

a. The applicable wasteload allocation assigned to discharges from the facility in this general permit, for expanding significant dischargers with a wasteload allocation listed in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C of the Water Quality Management Planning Regulation;

b. The permitted design capacity, for all other expanding dischargers; and

c. Zero, for facilities with a new discharge.

3. An owner or operator of multiple facilities that discharge into the same tributary, and assigned an aggregate mass load limit in accordance with Part I B 2 of this general permit, that undertakes construction of new or expanded facilities, shall be required to acquire wasteload allocations sufficient to offset any increase in delivered total nitrogen and delivered total phosphorus loads resulting from any expansion beyond the aggregate mass load limit assigned these facilities.

B. Acquisition of wasteload allocations. Wasteload allocations required by this section to offset new or increased delivered total nitrogen and delivered total phosphorus loads shall be acquired in accordance with this section.

1. Such allocations may be acquired from one or a combination of the following:

a. Acquisition of all or a portion of the wasteload allocations or point source nitrogen or point source phosphorus credits from the owners of one or more permitted facilities, based on delivered pounds by the respective trading parties as listed by the department;

b. Acquisition of credits certified by the board pursuant to § 62.1-44.19:20 of the Code of Virginia. Credits used to offset new or increased nutrient loads under this subdivision shall be:

(1) Subject to a trading ratio of two pounds reduced for every pound to be discharged if certified as a nonpoint source credit by the board pursuant to § 10.1-603.15:2 62.1-44.19:20 of the Code of Virginia;. On a case-by-case basis the board may approve nonpoint source to source trading ratios of less than 2:1 (but not less than 1:1) when the applicant demonstrates factors that ameliorate the presumed 2:1 uncertainty ratio for credits generation by nonpoint sources such as:

(a) When direct and representative monitoring of the pollutant loadings from a nonpoint source is performed in a manner and at a frequency similar to that performed at VPDES point sources and there is consistency in the effectiveness of the operation of the nonpoint source best management practice (BMP) approaching that of a conventional point source.

(b) When nonpoint source credits are generated from land conservation that ensures permanent protection through a conservation easement or other instrument attached to the deed and when load reductions can be reliably determined.

(2) Calculated using best management practices efficiency rates and attenuation rates, as established by the latest science and relevant technical information, and approved by the board;

(3) Based on appropriate delivery factors, as established by the latest science and relevant technical information, and approved by the board;

(4) Demonstrated to have achieved reductions beyond those already required by or funded under federal or state law, or by Virginia's Chesapeake Bay TMDL Watershed Implementation Plan;

(5) Generated in accordance with conditions of the facility's individual VPDES permit; and

(6) In the case of credits generated by land use conversions and urban source reduction controls (BMPs), the credits shall represent nutrient reductions beyond those in place as of July 1, 2005;

c. Until such time as the board finds that no allocations are reasonably available in an individual tributary, acquisition of allocations through payments made into the Nutrient Offset Fund established in § 10.1-2128.2 of the Code of Virginia; or

d. Acquisition of allocations through such other means as may be approved by the department on a case-by-case basis. This includes allocations granted by the board to an owner or operator of a facility that is authorized by a VPA permit to land apply domestic sewage if:

(1) The VPA permit was issued before July 1, 2005;

(2) The allocation does not exceed the facility's permitted design capacity as of July 1, 2005;

(3) The waste treated by the facility that is covered under the VPA permit will be treated and discharged pursuant to a VPDES permit for a new discharge; and

(4) The owner or operator installs state-of-the-art nutrient removal technology at such a facility.

2. Acquisition of allocations or point source nitrogen or point source phosphorus credits is subject to the following conditions:

a. The allocations or credits shall be generated and applied to an offset obligation in the same calendar year in which the credit is generated;

b. The allocations or credits shall be generated in the same tributary;

c. Such acquisition does not affect any requirement to comply with local water quality-based limitations, as determined by the board;

d. The allocations are authenticated (i.e., verified to have been generated) by the permittee as required by the facility's individual VPDES permit, utilizing procedures approved by the board, no later than February 1 immediately following the calendar year in which the allocations are applied; and

e. If obtained from the owner of a permitted point source, the allocations shall be generated by a facility that has been constructed, and has discharged from treatment works whose design flow or equivalent industrial activity is the basis for the facility's wasteload allocations.

f. Such allocations or credits shall be secured for a period of five years with each registration under the general permit.

3. Priority of options. The board shall give priority to allocations or credits acquired in accordance with subdivisions 1 a, b, and d of this subsection. The board shall approve allocations acquired in accordance with subdivision 1 c of this subsection only after the owner or operator has demonstrated that he has made a good faith effort to acquire sufficient allocations in accordance with subdivisions 1 a and 1 b of this subsection, and that such allocations are not reasonably available taking into account timing, cost and other relevant factors. Such demonstration may include, but not be limited to, providing a record of solicitation, or other demonstration that point source allocations or nonpoint source allocations are not available for sale in the tributary in which the permittee's facility discharge is located.

4. Annual allocation acquisitions from the Nutrient Offset Fund. The cost for each pound of nitrogen and each pound of phosphorus shall be determined at the time payment is made to the Nutrient Offset Fund, based on the higher of (i) the estimated cost of achieving a reduction of one pound of nitrogen or phosphorus at the facility that

is securing the allocation, or comparable facility, for each pound of allocation acquired; or (ii) the average cost, as determined by the department on an annual basis, of reducing two pounds of nitrogen or phosphorus from nonpoint sources in the same tributary for each pound of allocation acquired.

Part III

Conditions Applicable To All VPDES Permits

A. Monitoring.

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
2. Monitoring shall be conducted according to procedures approved under 40 CFR Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.
3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will ensure accuracy of measurements.
4. Samples taken as required by this permit shall be analyzed in accordance with 1VAC30-45 (Certification for Noncommercial Environmental Laboratories) or 1VAC30-46 (Accreditation for Commercial Environmental Laboratories).

B. Records.

1. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individuals who performed the sampling or measurements;
 - c. The dates and times analyses were performed;
 - d. The individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the registration statement for this permit, for a period of at least three years from the date of the sample, measurement, report, or request for coverage. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee or as requested by the board.

C. Reporting monitoring results.

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to the department's regional office.
2. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) or on forms provided, approved, or specified by the department.
3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under 40 CFR Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this

monitoring shall be included in the calculation and reporting of the data submitted on the DMR or reporting form specified by the department.

4. Calculations for all limitations that require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to provide information. The permittee shall furnish to the department, within a reasonable time, any information that the board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating coverage under this permit or to determine compliance with this permit. The board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from the discharge on the quality of state waters or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the department, upon request, copies of records required to be kept by this permit.

E. Compliance schedule reports. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized discharges. Except in compliance with this permit or another permit issued by the board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
2. Otherwise alter the physical, chemical, or biological properties of such state waters and make them detrimental to the public health, to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, for recreation, or for other uses.

G. Reports of unauthorized discharges. Any permittee that discharges or causes or allows a discharge of sewage, industrial waste, other wastes, or any noxious or deleterious substance into or upon state waters in violation of Part III F, or that discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part III F, shall notify the department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the department within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate, and prevent a recurrence of the present discharge or any future discharge not authorized by this permit.

Discharges reportable to the department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of unusual or extraordinary discharges. If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse effects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to

the department within five days of discovery of the discharge in accordance with Part III I 2. Unusual and extraordinary discharges include, but are not limited to, any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

I. Reports of noncompliance. The permittee shall report any noncompliance that may adversely affect state waters or may endanger public health.

1. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information that shall be reported within 24 hours under this paragraph:

- a. Any unanticipated bypass; and
- b. Any upset that causes a discharge to surface waters.

2. A written report shall be submitted within five days and shall contain:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
- c. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The board may waive the written report on a case-by-case basis for reports of noncompliance under Part III I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

3. The permittee shall report all instances of noncompliance not reported under Part III I 1 or 2, in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part III I 2.

NOTE: The immediate (within 24 hours) reports required in Part III G, H, and I may be made to the department's regional office. Reports may be made by telephone, FAX, or online at <http://www.deq.virginia.gov/Programs/PollutionResponsePreparedness/MakingaReport.aspx>. For reports outside normal working hours, a message may be left and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Management maintains a 24-hour telephone service at 1-800-468-8892.

J. Notice of planned changes.

1. The permittee shall give notice to the department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

(1) After promulgation of standards of performance under § 306 of the Clean Water Act (33 USC § 1251 et seq.) that are applicable to such source; or

(2) After proposal of standards of performance in accordance with § 306 of the Clean Water Act that are applicable to such source, but only if the standards are promulgated in accordance with § 306 within 120 days of their proposal;

b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or

- c. The alteration or addition results in a significant change in the permittee's sludge use or of disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or of disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
2. The permittee shall give advance notice to the department of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

K. Signatory requirements.

1. Registration statement. All registration statements shall be signed as follows:
 - a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or other actions taken to gather complete and accurate information for permit registration requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes (i) the chief executive officer of the agency or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. Reports, etc. All reports required by permits and other information requested by the board shall be signed by a person described in Part III K 1 or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described in Part III K 1;
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
 - c. The written authorization is submitted to the department.
3. Changes to authorization. If an authorization under Part III K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part III K 2 shall be submitted to the department prior to or together with any reports, or information to be signed by an authorized representative.
4. Certification. Any person signing a document under Part III K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to comply. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit coverage renewal application.

The permittee shall comply with effluent standards or prohibitions established under § 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under § 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this permit has not yet been modified to incorporate the requirement.

M. Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall submit a new registration statement at least 60 days before the expiration date of the existing permit, unless permission for a later date has been granted by the board. The board shall not grant permission for registration statements to be submitted later than the expiration date of the existing permit.

N. Effect of a permit. This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights or any infringement of federal, state, or local law or regulations.

O. State law. Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to, any other state law or regulation or under authority preserved by § 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part III U) and "upset" (Part III V), nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and hazardous substance liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from responsibilities, liabilities, or penalties to which the permittee is or may be subject under §§ 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also include effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of solids or sludges. Solids, sludges, or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

S. Duty to mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass.

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur that does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to ensure efficient operation. These bypasses are not subject to the provisions of Part III U 2 and 3.

2. Notice.

a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible, at least 10 days before the date of the bypass.

b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part III J.

3. Prohibition of bypass.

a. Bypass is prohibited, and the board may take enforcement action against a permittee for bypass, unless:

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance; and

(3) The permittee submitted notices as required under Part III U 2.

b. The board may approve an anticipated bypass after considering its adverse effects if the board determines that it will meet the three conditions listed in Part III U 3 a.

V. Upset.

1. An upset, defined in 9VAC25-31-10, constitutes an affirmative defense to an action brought for noncompliance with technology-based permit effluent limitations if the requirements of Part III V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.

2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An upset occurred and that the permittee can identify the cause or causes of the upset;

b. The permitted facility was at the time being properly operated;

c. The permittee submitted notice of the upset as required in Part III I; and

d. The permittee complied with remedial measures required under Part III S.

3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and entry. The permittee shall allow the director, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. Permit actions. Permits may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, termination, or notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of permits. Permits are not transferable to any person except after notice to the department. Coverage under this permit may be automatically transferred to a new permittee if:

1. The current permittee notifies the department within 30 days of the transfer of the title to the facility or property, unless permission for a later date has been granted by the board;
2. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
3. The board does not notify the existing permittee and the proposed new permittee of its intent to deny the new permittee coverage under the permit. If this notice is not received, the transfer is effective on the date specified in the agreement described in Part III Y 2.

Z. Severability. The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

9VAC25-820-80. Facilities subject to reduced individual total nitrogen and total phosphorus wasteload allocations.

The James River facilities identified in this section are subject to reduced individual total nitrogen and total phosphorus wasteload allocations as indicated.

Facility	VPDES No.	Phase 1 Total Nitrogen (lbs/yr)	Phase 2 Total Nitrogen (lbs/yr)	Phase 2 Total Phosphorus (lbs/yr)
Buena Vista STP	VA0020991	N/A	N/A	2,778
Covington STP	VA0025542	N/A	N/A	3,705
GP Big Island LLC	VA0003026	N/A	N/A	40,273
Mohawk Industries, Inc.	VA0004677	N/A	N/A	9,880
Lexington - Rockbridge Regional WQCF	VA0088161	N/A	N/A	3,705
Alleghany County - Low Moor STP	VA0027979	N/A	N/A	617
Lower Jackson River STP	VA0090671	N/A	N/A	1,852
Clifton Forge STP	VA0022772	N/A	N/A	2,470
MeadWestvaco	VA0003646	N/A	N/A	96,771
Amherst - Rutledge Creek WWTP	VA0031321	N/A	N/A	741
BWX Technologies Inc.	VA0003697	N/A	N/A	1,235
Greif Inc.	VA0006408	N/A	N/A	24,082
Lake Monticello STP	VA0024945	N/A	N/A	1,229
Lynchburg STP (DWF only)	VA0024970	N/A	N/A	27,169
RWSA - Moores Creek Regional STP	VA0025518	N/A	N/A	18,525
Powhatan CC STP	VA0020699	N/A	N/A	581
Crewe WWTP	VA0020303	N/A	N/A	617
Farmville WWTP	VA0083135	N/A	N/A	2,964

Richmond WWTP (DWF only)	VA0063177	N/A	N/A	55,574
E. I. DuPont - Spruance	VA0004669	N/A	N/A	6,339
Chesterfield County - Falling Creek WWTP	VA0024996	N/A	N/A	12,473
Chesterfield County - Proctors Creek WWTP	VA0060194	N/A	N/A	33,344
Dominion - Chesterfield (Net)	VA0004146	N/A	N/A	170
Henrico County WWTP	VA0063690	N/A	N/A	92,623
The Sustainability Park LLC	VA0002780	N/A	N/A	1,556
Philip Morris USA - Park 500	VA0026557	N/A	N/A	2,149
Honeywell - Hopewell	VA0005291	N/A	N/A	41,841
Hopewell Regional WTF	VA0066630	N/A	N/A	61,749
South Central WW Authority WWTF	VA0025437	N/A	N/A	28,404
Tyson Foods - Glen Allen	VA0004031	N/A	N/A	409
Chickahominy WWTP	VA0088480	N/A	N/A	123
HRSD - Boat Harbor STP	VA0081256	N/A	N/A	43,177
HRSD - James River STP	VA0081272	N/A	N/A	34,541
HRSD - Williamsburg STP	VA0081302	N/A	N/A	38,859
HRSD - Nansemond STP	VA0081299	N/A	N/A	51,812
HRSD - Army Base STP	VA0081230	N/A	N/A	31,087
HRSD - Virginia Initiative Plant	VA0081281	N/A	N/A	69,083

WWTP				
HRSD - Chesapeake - Elizabeth STP	VA0081264	N/A	N/A	41,450
HRSD Aggregate Nutrient Discharge*	N/A	4,400,000	3,400,000	310,010
JH Miles and Company	VA0003263	N/A	N/A	17,437
*HRSD James River Aggregate includes Boat Harbor STP (VA0081256), James River STP (VA0081272), Williamsburg STP (VA0081302), Nansemond STP (VA0081299), Army Base STP (VA0081230), Virginia Initiative STP (VA0081281), and Chesapeake - Elizabeth STP (VA0081264).				

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAs) AND DELIVERED ALLOCATIONS (DAs)

Potomac, Shenandoah River Basin – Total Nitrogen.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall Number	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	54,820	0.33	18,091	1/1/2017	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	21,383	1/1/2017	-	
Fishersville STP	VA0025291	-	501	4.00	48,729	0.10	4,873	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	48,729	0.05	2,436	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	82,839	0.10	8,284	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	6,091	0.24	1,462	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	6,091	0.24	1,462	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	6,091	0.24	1,462	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	6,091	0.24	1,462	-	A	
Greenville STP	VA0090417	-	505	0.25	14,238	0.10	1,424	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	8,543	0.10	854	-	B	
Vesper View STP	VA0067962	-	507	0.10	5,695	0.18	1,025	-	B	
Harrison STP	VA0027901	-	508	0.10	5,695	0.18	1,025	-	B	
Invista-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	78,941	0.14	11,052	1/1/2017	A	
Luray STP	VA0062642	VAN010006	500	1.60	19,492	0.42	8,187	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	18,273	0.33	6,030	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	18,273	0.33	6,030	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	43,835	0.33	14,466	1/1/2017	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	253,391	0.22	55,746	1/1/2017	A	
Alma Plant	VA0001961	VAN010008	500	1.00	18,273	0.33	6,030	1/1/2017	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	27,410	0.13	3,563	1/1/2017	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	48,729	0.14	6,822	1/1/2017	A	
Berryville STP	VA0020532	VAN010040	500	0.70	8,528	0.63	5,373	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	48,729	0.61	29,725	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	48,729	0.61	29,725	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAN010011	500	1.70	31,065	0.35	10,873	1/1/2017	A	
Mt. Jackson STP	VA0026441	VAN010012	500	0.70	8,528	0.34	2,900	1/1/2017	A	
Town of Broadway Regional WWTF	VA0090263	VAN010062	500	2.92	29,481	0.19	5,601	1/1/2017	A	(3)
Stoney Creek S.D. STP	VA0028380	VAN010015	500	0.60	8,259	0.35	2,891	1/1/2017	A	(4)
Strasburg STP	VA0020311	VAN010102	500	0.98	11,939	0.43	5,134	1/1/2017	A	
Strasburg STP	VA0020311	VAN010102	500	2.00	11,939	0.43	5,134	(1)	A	
Woodstock STP	VA0026468	VAN010094	500	2.00	24,364	0.35	8,527	1/1/2017	A	
Frederick-Winchester SA Aggregate	-	VAN010057	500	-	-	-	47,518	1/1/2017	A	
Opequon WRF	VA0065552	-	501	12.60	121,851	0.26	31,681	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	60,911	0.26	15,837	-	A	
Crooked Run STP	VA0080080	-	503	0.375	3,807	0.63	2,398	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	3,807	0.63	2,398	(1)	B	
Purcellville-Basham-Simms WWTF	VA0022802	VAN010016	500	1.50	18,273	0.72	13,157	1/1/2017	A	
LCSA-Broad Run WRF	VA0091383	VAN010017	500	11.00	134,005	0.89	119,264	1/1/2017	A	
Leesburg WPCF	VA0092282	VAN010061	500	10.00	121,822	0.80	97,458	1/1/2017	A	
Round Hill WWTP	VA0026212	VAN010093	500	0.75	9,137	0.72	6,579	1/1/2017	A	
Virginia American Water Prince William Aggregate	-	VAN010058	500	-	-	-	84,058	1/1/2017		
Virginia American Water Prince William-Section #1	VA0024724	-	501	4.60	42,029	1.00	42,029	-	A	
Virginia American Water Prince William-Section #8	VA0024678	-	502	4.60	42,029	1.00	42,029	-	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAN010018	500	24.00	219,280	1.00	219,280	1/1/2017	A	
Upper Occoquan S.A. WWTP	VA0024988	VAN010019	500	54.00	1,315,682	0.23	302,607	1/1/2017	A	
FCW&SA-Virt Hill WWTF	VA0020460	VAN010020	500	0.95	11,573	0.05	579	1/1/2017	A	
Alexandria S.A. WWTP	VA0025160	VAN010059	500	54.00	493,381	1.00	493,381	1/1/2017	A	
Arlington Co. WPCF	VA0025143	VAN010021	500	40.00	365,467	1.00	365,467	1/1/2017	A	
Fairfax Co.-Noman-Cole PCF	VA0025364	VAN010022	500	67.00	612,158	1.00	612,158	1/1/2017	A	
USMC-Quantico Mainside WWTF	VA0028363	VAN010043	500	2.20	20,101	1.00	20,101	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	10.00	73,093	1.00	73,093	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	12.00	73,093	1.00	73,093	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Colonial Beach STP	VA0026409	VAN010099	500	2.00	18,273	1.00	18,273	1/1/2017	A	
King George County - Potomac River Aggregate										
Dahlgren S.D. WWTP	VA0026514	VAN010060	500	-	-	-	12,060	1/1/2017	A	
Purkins Corner WWTP	VA0070106	-	501	1.00	9,137	1.00	9,137	-	A	
Fairview Beach STP	VA0092134	-	502	0.12	1,096	1.00	1,096	-	A	
USNSWC-Dahlgren WWTF	VA0021067	VAN010041	503	0.20	1,827	1.00	1,827	-	A	
Boyce WWTP	VA0085171	VAN010107	500	0.72	6,578	1.00	6,578	1/1/2017	A	
Middleburg WWTP	VA0024775	VAN010120	500	0.099	2,848	0.63	1,794	1/1/2017	B	
Middletown STP	VA0020982	VAN010121	500	0.25	7,973	0.05	399	1/1/2017	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.40	14,238	0.43	6,122	1/1/2017	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.32	13,668	0.37	5,057	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	2,278	0.63	1,435	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	2,278	0.63	1,435	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	2,278	0.63	1,435	(1)	B	
Christendom College STP	VA0067087	VAN010131	500	0.05	1,424	0.63	897	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	14,238	0.85	12,102	1/1/2017	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	19,313	0.19	3,669	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	19,313	0.19	3,669	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	2,278	0.63	1,435	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	2,278	0.63	1,435	(1)	B	
Shenandoah County North Fork	VA0090328	VAN010014	500	0.75	5,696	0.34	1,937	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.40	17,088	0.33	5,639	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	17,088	0.33	5,639	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	22,784	0.33	7,519	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	22,784	0.33	7,519	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	10,651	0.33	3,515	(1)	B	
Potomac River Basin Totals					4,785,846		2,765,192			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

- A = WQMP regulation (9 VAC 25-720).
- B = Permitted design capacity.
- C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLA) AND DELIVERED ALLOCATIONS (DAs)
 Potomac, Shenandoah River Basin – Total Phosphorus.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	4,112	0.54	2,220	1/1/2017	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	10,012	1/1/2017	-	
Fishersville STP	VA0025291	-	501	4.00	3,655	0.54	1,974	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	3,655	0.54	1,974	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	6,213	0.54	3,355	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	457	0.53	242	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	457	0.53	242	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	457	0.53	242	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	457	0.53	242	-	A	
Greenville STP	VA0090417	-	505	0.25	1,903	0.54	1,028	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	1,142	0.54	617	-	B	
Vesper View STP	VA0067962	-	507	0.10	761	0.54	411	-	B	
Harriston STP	VA0027901	-	508	0.10	761	0.54	411	-	B	
Invisia-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	1,009	0.54	545	1/1/2017	A	
Luray STP	VA0062642	VAN010006	500	1.60	1,462	0.54	789	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	1,371	0.53	727	1/1/2017	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	1,371	0.53	727	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	4,384	0.54	2,367	1/1/2017	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	19,004	0.54	10,262	1/1/2017	A	
Alma Plant	VA0001961	VAN010008	500	1.00	914	0.53	484	1/1/2017	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	1,371	0.53	727	1/1/2017	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	3,655	0.54	1,974	1/1/2017	A	
Berryville STP	VA0020532	VAN010040	500	0.70	640	0.53	339	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	3,655	0.54	1,974	1/1/2017	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	3,655	0.54	1,974	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAN010011	500	1.70	1,553	0.54	839	1/1/2017	A	
Mt. Jackson STP	VA0026441	VAN010012	500	0.70	640	0.53	339	1/1/2017	A	
Town of Broadway Regional WWTF	VA0090263	VAN010062	500	2.92	2,211	0.53	1,172	1/1/2017	A	(3)
Stoney Creek S.D. STP	VA0028380	VAN010015	500	0.60	667	0.53	354	1/1/2017	A	(4)
Strasburg STP	VA0020311	VAN010102	500	0.98	895	0.53	474	1/1/2017	A	
Strasburg STP	VA0020311	VAN010102	500	2.00	895	0.53	474	(1)	A	
Woodstock STP	VA0026468	VAN010094	500	2.00	1,827	0.54	987	1/1/2017	A	
Frederick-Winchester SA Aggregate	-	VAN010057	500	-	-	-	8,684	1/1/2017	-	
Opequon WRF	VA0065552	-	501	12.60	11,512	0.54	6,217	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	4,568	0.54	2,467	-	A	
Crooked Run STP	VA0080080	-	503	0.375	1,903	0.54	1,028	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	1,903	0.54	1,028	(1)	B	
Purcellville-Basham Simms WWTF	VA0022802	VAN010016	500	1.50	1,371	0.53	727	1/1/2017	A	
LCSA-Broad Run WRF	VA0091383	VAN010017	500	11.00	3,350	0.54	1,809	1/1/2017	A	
Leesburg WPCF	VA0092282	VAN010061	500	10.00	9,137	0.54	4,934	1/1/2017	A	
Round Hill WWTP	VA0026212	VAN010093	500	0.75	685	0.53	363	1/1/2017	A	
Virginia American Water Prince William Aggregate	-	VAN010058	500	-	-	-	5,044	1/1/2017	-	
Virginia American Water Prince William- Section #1	VA0024724	-	501	4.60	2,522	1.00	2,522	(1)	A	
Virginia American Water Prince William- Section #8	VA0024678	-	502	4.60	2,522	1.00	2,522	(1)	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAN010018	500	24.00	13,157	1.00	13,157	1/1/2017	A	
Upper Occoquan S.A. WWTP	VA0024988	VAN010019	500	54.00	16,446	0.30	4,934	1/1/2017	A	
FCW&SA-Vint Hill WWTF	VA0020460	VAN010020	500	0.95	868	0.17	148	1/1/2017	A	
Alexandria S.A. WWTP	VA0025160	VAN010059	500	54.00	29,603	1.00	29,603	1/1/2017	A	
Arlington Co. WPCF	VA0025143	VAN010021	500	40.00	21,928	1.00	21,928	1/1/2017	A	
Fairfax Co.-Noman-Cole PCF	VA0025364	VAN010022	500	67.00	36,729	1.00	36,729	1/1/2017	A	
USMC-Quantico Mainline WWTF	VA0028363	VAN010043	500	2.20	1,206	1.00	1,206	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	10.00	4,386	1.00	4,386	1/1/2017	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	12.00	4,386	1.00	4,386	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WCMP Allocations (see footnotes)
Colonial Beach STP King George County - Potomac River Aggregate	VA0026409	VAN010099	500	2.00	1,827	1.00	1,827	1/1/2017	A	
Dahlgren S.D. WWTP	VA0026514	VAN010060	500	-	-	-	1,199	1/1/2017	A	
Purkins Corner WWTP	VA0070106	-	501	1.00	914	1.00	914	-	A	
Fairview Beach STP	VA0092134	-	502	0.12	110	0.96	106	-	A	
			503	0.20	183	0.98	179	-	A	
USNSWC-Dahlgren WWTF	VA0021067	VAN010041	500	0.72	658	0.99	651	1/1/2017	A	
Boyce WWTP	VA0085171	VAN010107	500	0.099	381	0.54	206	1/1/2017	B	
Middleburg WWTP	VA0024775	VAN010120	500	0.25	1,066	0.17	181	1/1/2017	B	
Middletown STP	VA0020982	VAN010121	500	0.40	1,903	0.54	1,028	1/1/2017	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.32	1,827	0.54	987	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	305	0.54	165	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	305	0.54	165	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	305	0.54	165	(1)	B	
Christendom College STP	VA0067067	VAN010131	500	0.05	190	0.54	103	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	1,903	0.54	1,028	1/1/2017	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	1,618	0.54	874	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	1,618	0.54	874	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	305	0.54	165	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	305	0.54	165	(1)	B	
Shenandoah County North Fork	VA0090328	VAN010014	500	0.75	761	0.53	404	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.40	2,284	0.54	1,234	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	2,284	0.54	1,234	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	3,046	0.54	1,645	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	3,046	0.54	1,645	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	1,424	0.54	769	(1)	B	
Potomac River Basin Totals					248,493		182,639			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

- A = WQMP regulation (9 VAC 25-720).
- B = Permitted design capacity.
- C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAs) AND DELIVERED ALLOCATIONS (DAs)

Potomac, Shenandoah River Basin – Total Nitrogen.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall Number	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	54,820	0.22	12,060	1/1/2021	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	12,889	1/1/2021	-	
Fishersville STP	VA0025291	-	501	4.00	48,729	0.06	2,924	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	48,729	0.03	1,462	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	82,839	0.06	4,970	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	6,091	0.15	914	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	6,091	0.15	914	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	6,091	0.15	914	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	6,091	0.15	914	-	A	
Greenville STP	VA0090417	-	505	0.25	14,238	0.06	854	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	8,543	0.06	513	-	B	
Vesper View STP	VA0067962	-	507	0.10	5,695	0.11	626	-	B	
Harriston STP	VA0027901	-	508	0.10	5,695	0.11	626	-	B	
Invista-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	78,941	0.08	6,315	1/1/2021	A	
Luray STP	VA0062642	VAN010006	500	1.60	19,492	0.33	6,432	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	18,273	0.22	4,020	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	18,273	0.22	4,020	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	43,835	0.22	9,644	1/1/2021	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	253,391	0.14	35,475	1/1/2021	A	
Alma Plant	VA0001961	VAN010008	500	1.00	18,273	0.22	4,020	1/1/2021	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	27,410	0.08	2,193	1/1/2021	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	48,729	0.08	3,898	1/1/2021	A	
Berryville STP	VA0020532	VAN010040	500	0.70	8,528	0.52	4,435	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	48,729	0.50	24,365	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	48,729	0.50	24,365	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAN010011	500	1.70	31,065	0.25	7,766	1/1/2021	A	
Mt. Jackson STP	VA0026441	VAN010012	500	0.70	8,528	0.25	2,132	1/1/2021	A	
Town of Broadway Regional WWTF	VA0090263	VAN010062	500	2.92	29,481	0.12	3,538	1/1/2021	A	(3)
Stoney Creek S.D. STP	VA0028380	VAN010015	500	0.60	8,259	0.25	2,065	1/1/2021	A	(4)
Strasburg STP	VA0020311	VAN010102	500	0.98	11,939	0.34	4,059	1/1/2021	A	
Strasburg STP	VA0020311	VAN010102	500	2.00	11,939	0.34	4,059	(1)	A	
Woodstock STP	VA0026468	VAN010094	500	2.00	24,364	0.25	6,091	1/1/2021	A	
Frederick-Winchester SA Aggregate	-	VAN010057	500	-	-	-	40,360	1/1/2021	-	
Opequon WRF	VA0065552	-	501	12.60	121,851	0.21	25,589	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	60,911	0.21	12,791	-	A	
Crooked Run STP	VA0080080	-	503	0.375	3,807	0.52	1,980	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	3,807	0.52	1,980	(1)	B	
Purcellville-Basham-Simms WWTF	VA0022802	VAN010016	500	1.50	18,273	0.46	8,406	1/1/2021	A	
LCSA-Broad Run WRF	VA0091383	VAN010017	500	11.00	134,005	0.82	109,884	1/1/2021	A	
Leesburg WPCF	VA0092282	VAN010061	500	10.00	121,822	0.64	77,966	1/1/2021	A	
Round Hill WWTP	VA0026212	VAN010093	500	0.75	9,137	0.46	4,203	1/1/2021	A	
Virginia American Water Prince William Aggregate	-	VAN010058	500	-	-	-	84,058	1/1/2021	-	
Virginia American Water Prince William- Section #1	VA0024724	-	501	4.60	42,029	1.00	42,029	-	A	
Virginia American Water Prince William- Section #8	VA0024678	-	502	4.60	42,029	1.00	42,029	-	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAN010018	500	24.00	219,280	1.00	219,280	1/1/2021	A	
Upper Occoquan S.A. WWTP	VA0024988	VAN010019	500	54.00	1,315,682	0.23	302,607	1/1/2021	A	
FCW&SA-Vint Hill WWTF	VA0020460	VAN010020	500	0.95	11,573	0.05	579	1/1/2021	A	
Alexandria S.A. WWTP	VA0025160	VAN010059	500	54.00	493,381	1.00	493,381	1/1/2021	A	
Arlington Co. WPCF	VA0025143	VAN010021	500	40.00	365,467	1.00	365,467	1/1/2021	A	
Fairfax Co.-Norman-Cole PCF	VA0025364	VAN010022	500	67.00	612,158	1.00	612,158	1/1/2021	A	
USMC-Quantico Mainside WWTF	VA0028363	VAN010043	500	2.20	20,101	1.00	20,101	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	10.00	73,093	1.00	73,093	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAN010023	500	12.00	73,093	1.00	73,093	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Colonial Beach STP	VA0026409	VAN010099	500	2.00	18,273	1.00	18,273	1/1/2021	A	
King George County - Potomac River Aggregate		VAN010060	500	-	-	-	12,060	1/1/2021	A	
Dahlgren S.D. WWTP	VA0026514	-	501	1.00	9,137	1.00	9,137	-	A	
Purkins Corner WWTP	VA0070106	-	502	0.12	1,096	1.00	1,096	-	A	
Fairview Beach STP	VA0092134	-	503	0.20	1,827	1.00	1,827	-	A	
USNSWC-Dahlgren WWTF	VA0021067	VAN010041	500	0.72	6,578	1.00	6,578	1/1/2021	A	
Boyce WWTP	VA0085171	VAN010107	500	0.099	2,848	0.52	1,481	1/1/2021	B	
Middleburg WWTP	VA0024775	VAN010120	500	0.25	7,973	0.46	3,668	1/1/2021	B	
Middletown STP	VA0020982	VAN010121	500	0.40	14,238	0.34	4,841	1/1/2021	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.32	13,668	0.32	4,374	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	2,278	0.52	1,185	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	2,278	0.52	1,185	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	2,278	0.52	1,185	(1)	B	
Christendom College STP	VA0067067	VAN010131	500	0.05	1,424	0.52	740	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	14,238	0.73	10,394	1/1/2021	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	19,313	0.12	2,318	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	19,313	0.12	2,318	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	2,278	0.52	1,185	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	2,278	0.52	1,185	(1)	B	
Shenandoah County North Fork	VA0090328	VAN010014	500	0.75	5,696	0.25	1,424	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.40	17,088	0.22	3,759	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	17,088	0.22	3,759	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	22,784	0.22	5,012	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	22,784	0.22	5,012	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	10,651	0.22	2,343	(1)	B	
Potomac River Basin Totals					4,790,603		2,642,573			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720).

B = Permitted design capacity.

C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAs) AND DELIVERED ALLOCATIONS (DAs)
 Potomac, Shenandoah River Basin – Total Phosphorus.

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
MillerCoors LLC	VA0073245	VAN010096	500	4.50	4,112	0.47	1,933	1/1/2021	A	
Augusta County Service Authority Aggregate Nutrient Discharge	-	VAN010092	500	-	-	-	8,717	1/1/2021	-	
Fishersville STP	VA0025291	-	501	4.00	3,655	0.47	1,718	-	A	
Stuarts Draft WWT	VA0066877	-	502	4.00	3,655	0.47	1,718	-	A	
Middle River Regional STP	VA0064793	-	503	6.80	6,213	0.47	2,920	-	A	
Weyers Cave STP	VA0022349	-	504	0.50	457	0.47	215	-	A	
Weyers Cave STP	VA0022349	-	504	1.00	457	0.47	215	-	A	
Weyers Cave STP	VA0022349	-	504	2.00	457	0.47	215	-	A	
Weyers Cave STP	VA0022349	-	504	3.00	457	0.47	215	-	A	
Greenville STP	VA0090417	-	505	0.25	1,903	0.47	894	-	B	
Mt. Sidney STP	VA0022322	-	506	0.15	1,142	0.47	537	-	B	
Vesper View STP	VA0067962	-	507	0.10	761	0.47	358	-	B	
Harriston STP	VA0027901	-	508	0.10	761	0.47	358	-	B	
Invista-Waynesboro (Outfall 101)	VA0002160	VAN010050	500	1.44	1,009	0.47	474	1/1/2021	A	
Luray STP	VA0062642	VAN010006	500	1.60	1,462	0.47	687	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	1.50	1,371	0.47	644	1/1/2021	A	
Massanutten PSC STP	VA0024732	VAN010039	500	2.00	1,371	0.47	644	(1)	A	
Merck (Outfall 101)	VA0002178	VAN010007	500	1.20	4,384	0.47	2,060	1/1/2021	A	(2)
HRRSA-North River WWTF	VA0060640	VAN010042	500	22.0	19,004	0.47	8,932	1/1/2021	A	
Alma Plant	VA0001961	VAN010008	500	1.00	914	0.47	430	1/1/2021	A	
VA Poultry Growers Cooperative-Hinton	VA0002313	VAN010009	500	1.50	1,371	0.47	644	1/1/2021	A	
Waynesboro STP	VA0025151	VAN010098	500	6.00	3,655	0.47	1,718	1/1/2021	A	
Berryville STP	VA0020532	VAN010040	500	0.70	640	0.47	301	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	4.00	3,655	0.47	1,718	1/1/2021	A	
Front Royal STP	VA0062812	VAN010010	500	5.30	3,655	0.47	1,718	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Georges Chicken	VA0077402	VAND10011	500	1.70	1,553	0.47	730	1/1/2021	A	
Mt. Jackson STP	VA0026441	VAND10012	500	0.70	640	0.47	301	1/1/2021	A	
Town of Broadway Regional WWTF	VA0090263	VAND10062	500	2.92	2,211	0.47	1,039	1/1/2021	A	(3)
Stoney Creek S.D. STP	VA0028380	VAND10015	500	0.60	667	0.47	313	1/1/2021	A	(4)
Strasburg STP	VA0020311	VAND10102	500	0.98	895	0.47	421	1/1/2021	A	
Strasburg STP	VA0020311	VAND10102	500	2.00	895	0.47	421	(1)	A	
Woodstock STP	VA0026468	VAND10094	500	2.00	1,827	0.47	859	1/1/2021	A	
Frederick-Winchester SA Aggregate	-	VAND10057	500	-	-	-	8,452	1/1/2021	-	
Opequon WRF	VA0065552	-	501	12.60	11,512	0.47	5,411	-	A	
Parkins Mills WWTP	VA0075191	-	502	5.00	4,568	0.47	2,147	-	A	
Crooked Run STP	VA0080080	-	503	0.375	1,903	0.47	894	(1)	B	
Crooked Run STP	VA0080080	-	503	0.625	1,903	0.47	894	(1)	B	
Purcellville-Basham Simms WWTF	VA0022802	VAND10016	500	1.50	1,371	0.47	644	1/1/2021	A	
LCSA-Broad Run WRF	VA0091383	VAND10017	500	11.00	3,350	0.47	1,575	1/1/2021	A	
Leesburg WPCF	VA0092282	VAND10061	500	10.00	9,137	0.47	4,294	1/1/2021	A	
Round Hill WWTP	VA0026212	VAND10093	500	0.75	685	0.47	322	1/1/2021	A	
Virginia American Water Prince William Aggregate	-	VAND10058	500	-	-	-	5,044	1/1/2021	-	
Virginia American Water Prince William- Section #1	VA0024724	-	501	4.60	2,522	1.00	2,522	(1)	A	
Virginia American Water Prince William- Section #8	VA0024678	-	502	4.60	2,522	1.00	2,522	(1)	A	
PWCSA-H.L. Mooney WWTF	VA0025101	VAND10018	500	24.00	13,157	1.00	13,157	1/1/2021	A	
Upper Occoquan S.A. WWTP	VA0024988	VAND10019	500	54.00	16,446	0.31	5,098	1/1/2021	A	
FCW&SA-Vint Hill WWTF	VA0020460	VAND10020	500	0.95	868	0.17	148	1/1/2021	A	
Alexandria S.A. WWTP	VA0025160	VAND10059	500	54.00	29,603	1.00	29,603	1/1/2021	A	
Arlington Co. WPCF	VA0025143	VAND10021	500	40.00	21,928	1.00	21,928	1/1/2021	A	
Fairfax Co.-Noman-Cole PCF	VA0025364	VAND10022	500	67.00	36,729	1.00	36,729	1/1/2021	A	
USMC-Quantico Mainline WWTF	VA0028363	VAND10043	500	2.20	1,206	1.00	1,206	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAND10023	500	10.00	4,386	1.00	4,386	1/1/2021	A	
Stafford Co-Aquia WWTF	VA0060968	VAND10023	500	12.00	4,386	1.00	4,386	(1)	A	

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Colonial Beach STP	VA0026409	VAN010099	500	2.00	1,827	1.00	1,827	1/1/2021	A	
King George County - Potomac River Aggregate										
Dahlgren S.D. WWTP	VA0026514	VAN010060	500	-	-	-	1,207	1/1/2021	A	
Purkins Corner WWTP	VA0070106	-	501	1.00	914	1.00	914	-	A	
Fairview Beach STP	VA0092134	-	502	0.12	110	1.00	110	-	A	
			503	0.20	183	1.00	183	-	A	
USNSWC-Dahlgren WWTF										
	VA0021067	VAN010041	500	0.72	658	1.00	658	1/1/2021	A	
Boyce WWTP	VA0085171	VAN010107	500	0.099	381	0.47	179	1/1/2021	B	
Middleburg WWTP	VA0024775	VAN010120	500	0.25	1,066	0.47	501	1/1/2021	B	
Middletown STP	VA0020982	VAN010121	500	0.40	1,903	0.47	894	1/1/2021	B	
Lake Holiday WWTP	VA0027642	VAN010123	500	0.32	1,827	0.47	859	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.08	305	0.47	143	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.12	305	0.47	143	(1)	B	
Forest Lakes Estates STP	VA0061964	VAN010128	500	0.15	305	0.47	143	(1)	B	
Christendom College STP	VA0067067	VAN010131	500	0.05	190	0.47	89	(1)	B	
Lovettsville WWTP	VA0023183	VAN010129	500	0.375	1,903	0.47	894	1/1/2021	B	
New Market Poultry	VA0054453	VAN010134	500	0.45	1,618	0.47	760	(1)	B	
New Market Poultry	VA0054453	VAN010134	500	0.50	1,618	0.47	760	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.06	305	0.47	143	(1)	B	
Sandy's MHC STP	VA0088811	VAN010136	500	0.08	305	0.47	143	(1)	B	
Shenandoah County North Fork										
Stanley STP	VA0064394	VAN010142	500	0.40	2,284	0.47	1,073	(1)	B	
Stanley STP	VA0064394	VAN010142	500	0.49	2,284	0.47	1,073	(1)	B	
Elkton STP	VA0026433	VAN010144	500	1.00	3,046	0.47	1,432	(1)	B	
Elkton STP	VA0026433	VAN010144	500	2.00	3,046	0.47	1,432	(1)	B	
McGaheysville STP	VA0072931	VAN010155	500	0.499	1,424	0.47	669	(1)	B	
Potomac River Basin Totals					250,515		176,196			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

- A = WQMP regulation (9 VAC 25-720).
- B = Permitted design capacity.
- C = New facility, loading limit of zero.

Footnotes

- (1) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (2) Merck-Stonewall – (a) wasteload allocations will be reviewed and possibly reduced based on "full-scale" results showing the optimal treatment capability of the 4-stage Bardenpho technology at this facility consistent with the level of effort by other dischargers in the region. The "full scale" evaluation will be completed by December 31, 2011, and the results submitted to DEQ for review and subsequent board action; (b) in any year when credits are available after all other exchanges within the Shenandoah-Potomac River Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for total nitrogen discharged in excess of 14,619 lbs/yr and total phosphorus discharged in excess of 1,096 lbs/yr; and (c) the allocations are not transferable and compliance credits are only generated if discharged loads are less than the loads identified in clause (b).
- (3) Town of Broadway Regional WWTF allocations consist of 23,390 lbs/yr TN and 1,754 lbs/yr TP allocated to the Broadway WWTF plus 6,091 lbs/yr TN and 457 lbs/yr TP allocated to the Town of New Market which was transferred to the Broadway WWTF in accordance with the Wastewater Treatment Agreement dated August 5, 2008.
- (4) Stoney Creek Sanitary District STP allocation includes 950 lbs/yr TN and 119 lbs/yr TP from the consolidation of the Shrine Mont STP.