

COMMONWEALTH OF VIRGINIA
STATE WATER CONTROL BOARD

9 VAC 25-196-10 et seq. - GENERAL VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES)
PERMIT REGULATION FOR COOLING WATER DISCHARGES

~~Adopted December 15, 1997—Effective March 1, 1998~~

9 VAC 25-196-10. Definitions

The words and terms used in this regulation shall have the meanings defined in the Code of Virginia Section 62.1-44.2 et seq. (State Water Control Law), and 9 VAC 25-31-10 et seq. (VPDES Permit Regulation) unless the context clearly indicates otherwise, except that for the purposes of this regulation:

"Blowdown" means a discharge of recirculating water from any cooling equipment or cooling process in order to maintain a desired quality of the recirculating water. Boiler blowdown is excluded from this definition.

"Cooling Water" means water used for cooling which does not come into direct contact with any raw product, intermediate product (other than heat) or finished product. For the purposes of this general permit, cooling water can be generated from any cooling equipment blowdown or produced as a result of any non-contact cooling process through either a single pass (once through) or recirculating system.

"Department" means the Virginia Department of Environmental Quality.

"Director" means the Director of the Virginia Department of Environmental Quality, or an authorized representative.

9 VAC 25-196-20. Purpose

This general permit regulation governs the point source discharge of cooling water to surface waters.

9 VAC 25-196-30. Delegation of Authority

The Director, or an authorized representative, may perform any act of the Board provided under this regulation, except as limited by Section 62.1-44.14 of the Code of Virginia.

9 VAC 25-196-40. Effective Date of the Permit

This general permit will become effective on March [12], ~~1998~~2003. This general permit will expire five years from the effective date. This general permit is effective as to any covered owner upon compliance with all the provisions of 9 VAC 25-196-50 and the receipt of this general permit.

9 VAC 25-196-50. Authorization to Discharge

Any owner governed by this general permit is hereby authorized to discharge to surface waters of the Commonwealth of Virginia provided that the owner files and receives acceptance by the Board of the Registration Statement of 9 VAC 25-196-60, files the required permit fee, complies with the effluent limitations and other requirements of 9 VAC 25-196-70, and provided that:

A. Individual Permit

The owner ~~shall not have~~ has not been required to obtain an individual permit ~~as may be required in the VPDES Permit Regulation~~ according to 9 VAC 25-31-170.B.3.

B. Prohibited Discharge Locations

The owner shall not discharge to Class V stockable trout waters, Class VI natural trout waters, or any state waters specifically named in other Board regulations or policies which prohibit such discharges. Chlorine or any other halogen compounds shall not be used for disinfection or other treatment purposes, including biocide applications, for any discharges to waters containing endangered or threatened species as identified in the Water Quality Standards, 9 VAC 25-260-110 C.

C. Prohibited Tributyltin (TBT) and Hexavalent Chromium (Cr⁺⁶) Chemicals Usage

The owner shall neither use tributyltin and any chemical additives containing tributyltin nor use any hexavalent chromium-based water treatment chemicals in the cooling water systems.

D. Prohibited Cooling Water Source

The owner shall not use groundwater remediation wells as the source of cooling water.

Receipt of this general permit does not relieve any owner of the responsibility to comply with any other federal, state or local statute, ordinance or regulation.

9 VAC 25-196-60. Registration Statement

The owner shall file a complete general VPDES permit registration statement for cooling water discharges. Any owner proposing a new discharge shall file a complete registration statement at least 30 days prior to the date planned for commencing operation of the new discharge. Any owner of an existing discharge covered by an individual VPDES permit who is proposing to be covered by this general permit shall file the registration statement at least 180 days prior to the expiration date of the individual VPDES permit. Any owner of an existing discharge not currently covered by a VPDES permit who is proposing to be covered by this general permit shall file a complete registration statement. The required registration statement shall contain the following information:

~~VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM~~

~~GENERAL PERMIT REGISTRATION STATEMENT~~

~~FOR COOLING WATER DISCHARGES~~

~~1. APPLICANT INFORMATION~~

_____ A. Name of Facility: _____

_____ B. Facility Owner: _____

_____ C. Owner's Mailing Address

_____ a. Street or P.O. Box _____

_____ b. City or Town _____ c. State _____ d. Zip Code _____

_____ e. Phone Number _____

_____ D. Facility Location: _____

_____ Street No., Route No., or Other Identifier

_____ County

_____ E. Is the operator of the facility also the owner? _____ Yes _____ No

_____ If No, complete F. & G.

_____ F. Name of Operator: _____

_____ G. Operator's Mailing Address

_____ a. Street or P.O. Box _____

_____ b. City or Town _____ c. State _____ d. Zip Code _____

_____ e. Phone Number _____

2. **FACILITY INFORMATION**

_____ Does this facility currently have a VPDES permit? Yes ___ No ___

_____ If yes, give permit number. _____

_____ B. List any point source discharges that are not composed entirely of cooling water _____

_____ C. List type and size (tons) of cooling equipment or non-contact cooling water process:

Type	Size (tons)
_____	_____
_____	_____
_____	_____
_____	_____

_____ D. Complete the following if any chemical and/or non-chemical treatment is employed in each of the cooling water systems:—

_____ a. Describe the chemical and/or non-chemical treatment to be employed and its purpose;

_____ If chemical additives other than chlorine are used, complete b, c, d and e below.

b. Provide name and manufacturer of each additive used;

c. Provide list of active ingredients and percent composition;

d. Give the proposed schedule and quantity of chemical usage, and estimate the concentration in the discharge; and

e. Attach available aquatic toxicity information for each additive proposed for use.

E. Describe any type of treatment or retention being provided to the wastewater before discharge (i.e. retention ponds, settling ponds, etc.)

3. **FACILITY SCHEMATIC DRAWING**

Attach a schematic drawing of the cooling water equipment which shows the source of the cooling water, its flow through the facility, and each cooling water discharge point.

4. **MAP**

For cooling water system with a direct discharge to surface waters, attach a topographic map extending to at least one mile beyond property boundary. The map must show the outline of the facility, and the location of each of its existing and proposed intake and discharge points. Include all springs, rivers and other surface water bodies.

5. DISCHARGE INFORMATION

A. List all cooling water discharges by a number that is the same as on the map required in Question 4, if applicable. Identify the source of cooling water. Estimate the maximum daily discharge flow in gallons per day (gpd). Give the name of the waterbody receiving direct discharge or discharge through the municipal separate storm sewer system.

Outfall No.	Source	Max. Daily Flow	Receiving Stream
		(gpd)	

B. Identify the duration and frequency of the discharge for each separate discharge point:

- a. Continuous: _____
- b. Intermittent:(please describe)_____
- c. Seasonal:_____

C. Give the name of the owner of the municipal separate storm sewer system that receives the discharge (if applicable):

~~6. 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.~~

~~Signature _____ Date: _____~~

~~Name of person(s) signing above: _____~~

~~(printed or typed)~~

~~Title(s): _____~~

REQUIRED ATTACHMENTS

~~Aquatic Toxicity Information For Chemical Additives (if applicable)~~

~~Facility Schematic Drawing~~

~~Topographic Map (if applicable)~~

~~**For Department Use Only:**~~

~~Accepted/Not Accepted by: _____ Date: _____~~

Basin _____ Stream Class _____ Section _____

Special Standards _____

A. Facility name and address, owner name and mailing address and telephone number;

B. Operator name, mailing address, and telephone number if different from owner;

C. Does the facility currently have a VPDES permit? Permit Number if yes;

D. Listing of point source discharges that are not composed entirely of cooling water;

E. Listing of type and size (tons) of cooling equipment or non-contact cooling water processes;

F. The following information if any chemical and/or non-chemical treatment is employed in each of the cooling water systems:

a. Description of the chemical and/or non-chemical treatment to be employed and its purpose;

For chemical additives other than chlorine, b, c, and d below;

b. Name and manufacturer of each additive used;

c. List of active ingredients and percent composition;

d. Proposed schedule and quantity of chemical usage, and estimate of the concentration in the discharge;

e. Available aquatic toxicity information for each proposed additive used; and

f. Any other information such as product or constituent degradation, fate, transport, synergies, bioavailability, etc., that will aid the Board with the toxicity evaluation of the discharge.

G. Description of any type of treatment or retention being provided to the wastewater before discharge (i.e. retention ponds, settling ponds, etc.)

H. A schematic drawing of the cooling water equipment which shows the source of the cooling water, its flow through the facility, and each cooling water discharge point.

I. For cooling waters with a direct discharge to surface waters, a topographic map extending to at least one mile beyond the property boundary. The map must show the outline of the facility and the location of each of its existing and proposed intake and discharge points, and must include all springs, rivers and other surface water bodies.

J. The following discharge information:

a. A listing of all cooling water discharges by a unique number;

b. The source of cooling water for each discharge;

c. An estimate of the maximum daily flow in gallons per day for each discharge;

d. The name of the waterbody receiving direct discharge or discharge through the municipal separate storm sewer system;

e. The duration and frequency of the discharge for each separate discharge point; continuous, intermittent, or seasonal;

f. The name and contact information of the owner of the municipal separate storm sewer system that receives the discharge, if applicable

K. 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.

The registration statement shall be signed in accordance with 9 VAC 25-31-110.

9 VAC 25-196-70. General Permit

Any owner whose registration statement is accepted by the Board will receive the following permit and shall comply with the requirements therein and be subject to all requirements of ~~the VPDES Permit Regulation~~ 9 VAC 25-31-10 et seq.

General Permit No.: VAG25

Effective Date: [March 2, 2003]

Expiration Date: [March 1, 2008]

GENERAL PERMIT FOR COOLING WATER DISCHARGES

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 thereto, owners of cooling water discharges are authorized to discharge to surface waters within the boundaries of the Commonwealth of Virginia, except Class V stockable trout waters, Class VI natural trout waters, and those specifically named in Board Regulations or Policies which prohibit such discharges. Chlorine or any other halogen compounds shall not be used for disinfection or other treatment purposes, including biocide applications, for any discharges to waters containing endangered or threatened species as identified in the Water Quality Standards, 9 VAC 25-260-110 C.

The authorized discharge shall be in accordance with this cover page, Part I - Effluent Limitations and Monitoring Requirements, and Part II - Conditions Applicable To All VPDES Permits, as set forth herein.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge cooling water. Samples taken in compliance with the monitoring requirements specified below shall be taken at the following location(s): outfall(s)

~~serial number:~~ .

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTICS</u>	<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	<u>Maximum</u>	<u>Minimum</u>	<u>Frequency</u>	<u>Sample Type</u>
Flow (MGD)	0.05	NA	1/3 Months	Estimate
Temperature (°C)	(1)	NA	1/3 Months	Immersion Stabilization
pH (SU)	9 ⁽²⁾	6 ⁽²⁾	1/3 Months	Grab
<u>Ammonia-N⁽³⁾(mg/l)</u>	NL	NA	1/3 Months	Grab
Total Residual Chlorine ⁽³⁾ (mg/l)	Non-detectable	NA	1/3 Months	Grab
Hardness (mg/l CaCO ₃)	NL	NA	1/3 Months	Grab
Total Dissolved Copper ⁽⁴⁾ (ug/l)	NL	NA	1/3 Months	Grab
Total Dissolved Zinc ⁽⁴⁾ (ug/l)	NL	NA	1/3 Months	Grab

Total Dissolved Silver ^(4,5) (ug/l)	NL	NA	1/3 Months	Grab
Total Phosphorus ⁽⁶⁾ (mg/l)	NL	NA	1/3 Months	Grab

NL = No limitation, monitoring required

NA = Not applicable

- (1) The effluent temperature shall not exceed a maximum 32 °C for discharges to non-tidal coastal and piedmont waters, or 31 °C for mountain and upper piedmont waters. No maximum temperature limit, only monitoring, applies to discharges to estuarine waters.

The effluent shall not cause an increase in temperature of the receiving stream of more than 3°C above the natural water temperature. The effluent shall not cause the temperature in the receiving stream to change more than 2 °C per hour. Natural temperature is defined as that temperature of a body of water (measured as the arithmetic average over one hour) due solely to natural conditions without the influence of any point-source discharge.

- (2) Where the Water Quality Standards (9 VAC 25-260-5 et seq.) establish alternate standards for pH in the waters receiving the discharge, those standards shall be the maximum and minimum effluent limitations.

- (3) Chlorine limitation of non-detectable (<0.1 mg/l) and chlorine and ammonia monitoring only apply to outfalls directly discharging to surface waters ~~and are required~~ where the source ~~of~~ of cooling water is chlorinated or contains chloramines.

- (4) A specific analysis is not specified for these materials. An appropriate analysis shall be selected from the following list of EPA methods to achieve a quantification level that is less than the target level for the material under consideration:

	<u>EPA Method</u>	<u>Target Level (ig/l)</u>
Copper	220.1, 220.2, 200.7, 200.8, 200.9, 1638, 1640	9.2
Zinc	289.1, 289.2, 200.7, 200.8, 1638, 1639	65.0
Silver	272.1, 272.2, 200.7, 200.8, 200.9, 1638	1.2

Quality control/assurance information shall be submitted to document that the required quantification level has been attained.

- (5) Silver monitoring is only required where Cu/Ag anode is used.

- (6) Phosphorus monitoring is only required where additive containing phosphorus is used.

B. Special Conditions

1. There shall be no discharge of floating solids or visible foam in other than trace amounts.
2. No discharges other than cooling water, as defined, are permitted under this general permit.
3. The use of any chemical additives not identified in the registration statement, except chlorine, without prior approval is prohibited under this general permit. Prior approval shall be obtained from the DEQ before any changes are made to the chemical and/or non-chemical treatment technology employed in the cooling water system. Requests for approval of the change shall be made in writing and shall include the following information:
 - a. Describe the chemical and/or non-chemical treatment to be employed and its purpose; If chemical additives are used, provide b, c, d and e below.
 - b. Provide name and manufacturer of each additive used;
 - c. Provide list of active ingredients and percent composition;
 - d. Give the proposed schedule and quantity of chemical usage, and estimate the concentration in the discharge;
 - e. Attach available aquatic toxicity information for each additive proposed for use; and
 - f. Attach any other information such as product or constituent degradation, fate, transport, synergies, bioavailability, etc. that will aid the Board with the toxicity evaluation for the discharge.
4. Where cooling water is discharged through a municipal storm sewer system to surface waters, the permittee shall, within 30 days of coverage under this general permit, notify the owner of the municipal separate storm sewer system of the existence of the discharge and provide the following information: the name of the facility; a contact person and phone number; nature of

the discharge; number of the outfalls; and the location of the discharge. A copy of such notification shall be provided to the Department.

5. The permittee shall at all times properly operate and maintain all cooling water systems. Inspection shall be conducted for each cooling water unit by the plant personnel at least once per year with reports maintained on site.

6. The permittee shall notify the Department as soon as they know or have reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
 - (1) One hundred micrograms per liter (100 ug/l);
 - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
 - (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - (4) The level established by the Board in accordance with 9 VAC 25-31-220 F.
 - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
 - (1) Five hundred micrograms per liter (500 ug/l);
 - (2) One milligram per liter (1 mg/l) for antimony;
 - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - (4) The level established by the Board in accordance with 9 VAC 25-31-220 F.

PART II

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 Title 40 Code of Federal Regulations 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 insure accuracy of measurements.

B. Records

1. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) and time(s) analyses were performed;
 - d. The individual(s) 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 3 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 Title 40 of the Code of Federal Regulations 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 in the DMR or reporting form specified by the Department.
4. Calculations for all limitations which 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 which the Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating 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 his 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, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges

Any permittee who 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 II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II 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 discharges 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 affects 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

II 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 which 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 which shall be reported within 24 hours under this paragraph:
 - a. Any unanticipated bypass; and
 - b. Any upset which causes a discharge to surface waters.
2. A written report shall be submitted within 5 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 II 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 Parts II I 1 or 2, in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 2.

NOTE: The immediate (within 24 hours) reports required in Parts II G, H and I may be made to the Department's Regional Office by telephone or by fax. For reports outside normal working hours, leave a message and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Services 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 Section 306 of Clean Water Act which are applicable to such source; or
 - (2) After proposal of standards of performance in accordance with Section 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with Section 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 which 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 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 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 which may result in noncompliance with permit requirements.

K. Signatory Requirements

1. Registration Statements. 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- or decision-making functions for the corporation, or (ii) ~~the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures~~ the manager of one of more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which 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 actions taken to gather complete and accurate information for permit application 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 II 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 II 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 II 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 II 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 Parts II 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 renewal application.

The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 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 apply for and obtain a new permit. All permittees with a currently effective permit shall submit a new registration statement at least 180 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 Section 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II U), and "upset" (Part II 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 any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Sections 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) which are installed or used by the permittee to achieve compliance

with the conditions of this permit. Proper operation and maintenance also includes 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 which 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 which 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 which does not cause effluent limitations

to be exceeded, but only if it also is for essential maintenance to assure efficient operation.

These bypasses are not subject to the provisions of Parts II U 2 and U 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 ten days before the date of the bypass.
- b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.

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 which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Part II 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 above in Part II U 3 a.

V. Upset

- 1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II 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(s) 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 II I; and
 - d. The permittee complied with any remedial measures required under Part II 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 any 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, any 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, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of permits

1. Permits are not transferable to any person except after notice to the Department. Except as provided in Part II Y 2, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made, to identify the new permittee and incorporate such other requirements as may be necessary under the State Water Control Law and the Clean Water Act.
2. As an alternative to transfers under Part II Y 1, this permit may be automatically transferred to a new permittee if:
 - a. The current permittee notifies the Department at least 30 days in advance of the proposed transfer of the title to the facility or property;
 - b. 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
 - c. The Board does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

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.

~~9 VAC 25-196-80~~ — ~~Evaluation of Chapter and Petitions for Reconsideration or Revision~~ Repealed

~~A. Within three years after the effective date of this chapter, the department shall perform an analysis on this chapter and provide the board with a report on the results. The analysis shall include (i) the purpose and need for the chapter, (ii) alternatives which would achieve the stated purpose of this chapter in a less burdensome and less intrusive manner, (iii) an assessment of the effectiveness of this chapter, (iv) the results of a review of current state and federal statutory and regulatory requirements, including identification and justification of requirements of this chapter which are more stringent than federal requirements, and (v) the results of a review as to whether this chapter is clearly written and easily understandable by affected entities. Upon review of the department's analysis, the board shall confirm the need to (i) continue this chapter without amendment, (ii) repeal this chapter or (iii) amend this chapter. If the board's decision is to repeal or amend this chapter, the board shall authorize the department to initiate the applicable regulatory process to carry out the decision of the board.~~

~~B. The board shall receive, consider and respond to petitions by any interested person at any time with respect to reconsideration or revision of this chapter.~~

Certified True and Accurate: _____

Robert G. Burnley, Director, DEQ

Date: _____

