

Effective Date: February 1, 2005  
Expiration Date: December 31, 2009

**OHIO ENVIRONMENTAL PROTECTION AGENCY  
GENERAL PERMIT AUTHORIZATION TO DISCHARGE  
WASTEWATER FROM SEWAGE TREATMENT SYSTEMS DESIGNED TO TREAT AN  
AVERAGE FLOW OF 25,000 GALLONS PER DAY OR LESS UNDER THE NATIONAL  
POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereafter referred to as "the Act"), the Ohio Water Pollution Control Act (Ohio Revised Code Chapter 6111) and regulations adopted thereunder, discharges of wastewater, as defined in Part I.C. of this permit, are authorized by the Ohio Environmental Protection Agency, hereafter referred to as "Ohio EPA", from the outfalls at the sites and to the receiving waters identified in the applicant's Notice of Intent application (NOI) on file with Ohio EPA in accordance with the conditions specified in Parts I through VI of this permit.

Granting of permit coverage is conditioned upon payment of applicable fees and submittal of the Notice of Intent form or individual NPDES permit application where applicable.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA (see Part II).

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Joseph P. Koncelik  
Director

## Part I. COVERAGE UNDER THIS PERMIT

- A. Permit Area.** This permit covers the entire state of Ohio.
- B. Applicability.** Ohio Revised Code Chapter 6111 provides that discharges of pollutants from a point source to waters of the state are unlawful, unless authorized by an NPDES permit. Entities who are eligible for coverage under this permit and who submit a Notice of Intent application (NOI) in accordance with the requirements of Part II of this permit are in compliance with the NPDES application requirements for such wastewater discharges.
- C. Eligibility.**
1. Except for discharges identified under paragraph I.C.2., this permit may cover all existing point source discharges of sanitary wastewater, with an average flow of 25,000 gallons per day or less, to waters of the state. Existing discharges are those sources that were built, operational and discharging before July 1, 1993, or those with discharges that were authorized by an NPDES permit issued after July 1, 1993. This permit may cover discharges from continuous discharge lagoon systems. Discharges from controlled discharge lagoon systems are not eligible for coverage under this permit.
  2. Limitations on Coverage. The following sanitary wastewater discharges with an average flow of 25,000 gallons per day or less are not authorized by this permit:
    - a. any discharge from a source that began discharging after July 1, 1993, unless that facility's discharge is covered under an existing NPDES permit;
    - b. any discharge that is mixed with another discharge, not covered by this permit, prior to reaching the receiving stream. If the wastewater discharge does combine with another waste stream prior to reaching the receiving stream, and it is possible to sample the waste streams separately, the wastewater discharge may be covered by this permit. The other waste stream(s) must be covered under a different NPDES permit;
    - c. any discharge that has been previously authorized by an individual NPDES permit with a final effluent limitation or parameter that is not listed in the applicable tables contained in Part III of this permit, or is more stringent than the applicable table contained in Part III this general permit with the exception of a loading limit;
    - d. any discharge that includes process wastewater or storm water from an industrial facility;
    - e. discharges from controlled discharge lagoon systems;
    - f. wastewater discharges associated with sanitary wastewater treatment systems installed for only one single-family, two-family, or three-family dwelling;
    - g. any discharge from a sewage treatment facility that, under section 6117.51 of the Ohio Revised Code, or 3745-33-08 ( c ) of the Ohio Administrative Code, shall be required to connect to a publicly owned treatment works;
    - h. any discharge or source that would conflict with an areawide waste treatment management plan adopted in accordance with section 208 of the Federal Water Pollution Control Act;
    - i. any discharge from a sewage treatment facility to superior high quality waters, outstanding state waters, outstanding national resource waters, or category 3 wetlands as defined by rule 3745-1-05 of the Ohio Administrative Code; and

- j. any lagoon system that was designed to meet limits more stringent than those contained in Table III.B. of this permit,
- k. any facility that, in the judgment of the Director, is not likely to comply with the terms and conditions of this permit.

**D. Authorization.**

- 1. To be authorized to discharge under this general permit, dischargers of wastewater associated with sewage treatment systems designed to treat an average flow of 25,000 gallons per day or less must submit a NOI in accordance with the requirements of Part II of this permit, using a NOI form provided by the Director.
- 2. After the NOI form is reviewed by the Ohio EPA, the applicant shall be notified as to Ohio EPA's approval or denial for coverage under this general permit.
- 3. The Director may require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.
- 4. Those facilities with an average daily discharge flow of 5,000 GPD or more will be required to pay an annual discharger fee as specified in Section 3745.11(L) of the Ohio Revised Code.

**Part II. NOTICE OF INTENT REQUIREMENTS**

**A. Deadlines for Notification.**

- 1. No NOIs will be accepted prior to the effective date of this permit.
- 2. Coverage under the general permit is transferable. Ohio EPA must be notified in writing at least 60 days prior to any proposed transfer of the general permit (see Part V.E. for transfer requirements).

**B. Contents of Notice of Intent.** The applicant shall complete and submit an approved NOI form provided by Ohio EPA. The NOI shall include the information required by the NOI form and its instruction sheet. Failure to follow the NOI instructions may result in the NOI being returned to the applicant.

**C. Where to Submit.** Existing dischargers at facilities that discharge wastewater associated with sewage systems designed to treat 25,000 gallons per day or less must use an NOI form provided by the Ohio EPA. NOIs must be signed in accordance with Part V.D of this permit. A check in the amount designated on the form, payable to "Treasurer, State of Ohio," must accompany the NOI form. NOIs are to be submitted to the Ohio EPA at the following address:

**Ohio Environmental Protection Agency  
Office of Fiscal Administration  
P.O. Box 1049  
Columbus, Ohio 43216-1049**

- D. Additional Notification.** Dischargers at facilities that discharge wastewater associated with sewage treatment systems designed to treat an average of 25,000 gallons per day or less through a municipal separate storm sewer system (see definition in Part VI) shall, in addition to filing copies of the NOI in accordance with paragraph II.C, also submit signed copies of the NOI to the operator of the municipal separate storm sewer system through which they discharge.
- E. Renotification for Permit Renewal.** In order to receive authorization to discharge beyond the date of expiration of the general permit (i.e. renew existing general permit), the permittee shall notify the Director of its intent to be covered by the new general permit (submit a new NOI) within 45 days after the effective date of the renewed general permit.
- F. Notice of Termination (NOT).** When a discharge that is authorized by this permit is eliminated, the permittee must submit a Notice of Termination that is signed in accordance with Part V.D of this permit.
1. The Notice of Termination shall include the information required by the NOT form and its instruction sheet.
  2. All Notices of Termination are to be sent, using the form provided by the Director, to the following address:

**Ohio Environmental Protection Agency  
Office of Fiscal Administration  
P.O. Box 1049  
Columbus, Ohio 43216-1049**

### Part III. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Table III.A.1

**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR DISCHARGES FROM SANITARY SEWAGE TREATMENT SYSTEMS, OTHER THAN LAGOON SYSTEMS, WITH A DESIGN FLOW OF 5000 GALLONS PER DAY OR MORE THAT DO NOT DISCHARGE DIRECTLY TO THE OHIO RIVER.**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. **Report data using outfall designation 001.**

<u>EFFLUENT CHARACTERISTICS</u>			<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
Reporting Code	Units	Parameter	Concentration 30 Day	Daily	Meas. Frequency	Sample Type
00056	GPD	Flow Rate	-	-	Daily	24HrTot.Est.*
00530	mg/l	Total Suspended Solids	12	18	1/quarter	Grab
00610	mg/l	Nitrogen,Ammonia(NH <sub>3</sub> )				
		(summer)	1.0	1.5	1/quarter	Grab
		(winter)	3.0	4.5	1/quarter	Grab
80082	mg/l	CBOD <sub>5</sub>	10	15	1/quarter	Grab
31616	#/100ml	Fecal Coliform				
		(summer only)	1000	2000	1/quarter	Grab
00083	-	color, severity (1)	-	-	Daily	Estimate
01330	-	odor, severity (1)	-	-	Daily	Estimate
01350	-	turbidity, severity (1)	-	-	Daily	Estimate
00300	mg/l	Dissolved Oxygen	not less than 6.0 at any time		1/quarter	Grab
50060	mg/l	Chlorine,total residual (2) (Summer only)	not to exceed 0.019 at any time		1/quarter	Grab

Sampling and reporting for 1/quarter parameters (all months) is required in March, June, August and December.  
 Sampling and reporting for 1/quarter parameters (summer) is required in June and August.  
 Sampling and reporting for 1/quarter parameters (winter) is required in March and December.

- (1) See Part IV, E.
- (2) See Part IV, F and G.

\* Acceptable methods for estimating flow are, in order of preference:  
 1) elapsed time meters on sand filter dosing pumps;  
 2) elapsed time meters on influent pumps;  
 3) water use records; and  
 4) bucket and stop-watch.

Table III.A.2

**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR DISCHARGES FROM SANITARY SEWAGE TREATMENT SYSTEMS, OTHER THAN LAGOON SYSTEMS, WITH A DESIGN FLOW OF 5000 GALLONS PER DAY OR MORE THAT DISCHARGE DIRECTLY TO THE OHIO RIVER.**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. **Report data using outfall designation 002.**

<u>EFFLUENT CHARACTERISTICS</u>			<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
Reporting Code	Units	Parameter	Concentration 30 Day	Daily	Meas. Frequency	Sample Type
00056	GPD	Flow Rate	-	-	Daily	24HrTot.Est.*
00530	mg/l	Total Suspended Solids	12	18	1/quarter	Grab
00610	mg/l	Nitrogen,Ammonia(NH <sub>3</sub> ) (summer)	1.0	1.5	1/quarter	Grab
		(winter)	3.0	4.5	1/quarter	Grab
80082	mg/l	CBOD <sub>5</sub>	10	15	1/quarter	Grab
31616	#/100ml	Fecal Coliform (summer)	200	400	1/quarter	Grab
		(winter)	1000	2000	1/quarter	Grab
00083	-	color, severity (1)	-	-	Daily	Estimate
01330	-	odor, severity (1)	-	-	Daily	Estimate
01350	-	turbidity, severity (1)	-	-	Daily	Estimate
00300	mg/l	Dissolved Oxygen	not less than 6.0 at any time		1/quarter	Grab
50060	mg/l	Chlorine,total residual (2)	not to exceed 0.019 at any time		1/quarter	Grab

Sampling and reporting for 1/quarter parameters (all months) is required in March, June, August and December.

Sampling and reporting for 1/quarter parameters (summer) is required in June and August.

Sampling and reporting for 1/quarter parameters (winter) is required in March and December.

(1) See Part IV, E.

(2) See Part IV, F and G.

\* Acceptable methods for estimating flow are, in order of preference:

- 1) elapsed time meters on sand filter dosing pumps;
- 2) elapsed time meters on influent pumps;
- 3) water use records; and
- 4) bucket and stop-watch.

Table III.A.3

**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR DISCHARGES FROM SANITARY SEWAGE TREATMENT SYSTEMS, OTHER THAN LAGOON SYSTEMS, WITH A DESIGN FLOW OF 1,500 GALLONS PER DAY OR GREATER BUT LESS THAN 5,000 GALLONS PER DAY THAT DO NOT DISCHARGE DIRECTLY TO THE OHIO RIVER.**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. **Report data using outfall designation 003.**

<u>EFFLUENT CHARACTERISTICS</u>			<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
Reporting Code	Units	Parameter	Concentration 30 Day	Daily	Meas. Frequency	Sample Type
00056	GPD	Flow Rate	-	-	Daily	24HrTot.Est.*
00530	mg/l	Total Suspended Solids	12	18	1/year	Grab
00610	mg/l	Nitrogen,Ammonia(NH <sub>3</sub> ) (summer )	1.0	1.5	1/year	Grab
		(winter)	3.0	4.5	1/year	Grab
80082	mg/l	CBOD <sub>5</sub>	10	15	1/year	Grab
31616	#/100ml	Fecal Coliform (summer only)	1000	2000	1/year	Grab
00083	-	color, severity (1)	-	-	Daily	Estimate
01330	-	odor, severity (1)	-	-	Daily	Estimate
01350	-	turbidity, severity (1)	-	-	Daily	Estimate
00300	mg/l	Dissolved Oxygen	not less than 6.0 at any time		1/year	Grab
50060	mg/l	Chlorine,total residual (2) (Summer only)	not to exceed 0.019 at any time		1/year	Grab

Sampling and reporting for 1/year parameters is required in September, except that 1/year (winter) parameters may be sampled and reported during any month from November through April.

- (1) See Part IV, E.  
 (2) See Part IV, F and G.

\* Acceptable methods for estimating flow are, in order of preference:  
 1) elapsed time meters on sand filter dosing pumps;  
 2) elapsed time meters on influent pumps;  
 3) water use records; and  
 4) bucket and stop-watch.

Table III.A.4

**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR DISCHARGES FROM SANITARY SEWAGE TREATMENT SYSTEMS, OTHER THAN LAGOON SYSTEMS, WITH A DESIGN FLOW OF 1,500 GALLONS PER DAY OR GREATER BUT LESS THAN 5,000 GALLONS PER DAY THAT DISCHARGE DIRECTLY TO THE OHIO RIVER.**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. **Report data using outfall designation 004.**

<u>EFFLUENT CHARACTERISTICS</u>			<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
Reporting Code	Units	Parameter	Concentration 30 Day	Daily	Meas. Frequency	Sample Type
00056	GPD	Flow Rate	-	-	Daily	24HrTot.Est.*
00530	mg/l	Total Suspended Solids	12	18	1/year	Grab
00610	mg/l	Nitrogen,Ammonia(NH <sub>3</sub> )				
		(summer )	1.0	1.5	1/year	Grab
		(winter)	3.0	4.5	1/year	Grab
80082	mg/l	CBOD <sub>5</sub>	10	15	1/year	Grab
31616	#/100ml	Fecal Coliform				
		(summer only)	200	400	1/year	Grab
00083	-	color, severity (1)	-	-	Daily	Estimate
01330	-	odor, severity (1)	-	-	Daily	Estimate
01350	-	turbidity, severity (1)	-	-	Daily	Estimate
00300	mg/l	Dissolved Oxygen	not less than 6.0 at any time		1/year	Grab
50060	mg/l	Chlorine,total residual (2) (Summer only)	not to exceed 0.019 at any time		1/year	Grab

Sampling and reporting for 1/year parameters is required in September, except that 1/year (winter) parameters may be sampled and reported during any month from November through April.

- (1) See Part IV, E.  
 (2) See Part IV, F and G.

\* Acceptable methods for estimating flow are, in order of preference:  
 1) elapsed time meters on sand filter dosing pumps;  
 2) elapsed time meters on influent pumps;  
 3) water use records; and  
 4) bucket and stop-watch.

Table III.A.5

**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR DISCHARGES FROM SANITARY SEWAGE TREATMENT SYSTEMS, OTHER THAN LAGOON SYSTEMS, WITH A DESIGN FLOW OF LESS THAN 1,500 GALLONS PER DAY THAT DO NOT DISCHARGE DIRECTLY TO THE OHIO RIVER.**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. **Report data using outfall designation 005.**

<u>EFFLUENT CHARACTERISTICS</u>			<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS (3)</u>	
Reporting Code	Units	Parameter	Concentration 30 Day	Daily	Meas. Frequency	Sample Type
00056	GPD	Flow Rate	-	-	Daily	24HrTot.Est.*
00530	mg/l	Total Suspended Solids	12	18	1/year	Grab
00610	mg/l	Nitrogen,Ammonia(NH <sub>3</sub> )				
		(summer only)	1.0	1.5	1/year	Grab
		(winter)	3.0	4.5	1/year	Grab
80082	mg/l	CBOD <sub>5</sub>	10	15	1/year	Grab
31616	#/100ml	Fecal Coliform				
		(summer only)	1000	2000	1/year	Grab
00083	-	color, severity (1)	-	-	Daily	Estimate
01330	-	odor, severity (1)	-	-	Daily	Estimate
01350	-	turbidity, severity (1)	-	-	Daily	Estimate
00300	mg/l	Dissolved Oxygen	not less than 6.0 at any time		1/year	Grab
50060	mg/l	Chlorine,total residual (2) (Summer only)	not to exceed 0.019 at any time		1/year	Grab

Sampling and reporting for 1/year parameters is required in September, except that 1/year (winter) parameters may be sampled and reported during any month from November through April.

- (1) See Part IV, E.  
 (2) See Part IV, F and G.  
 (3) See Part V, L. 4.

\* Acceptable methods for estimating flow are, in order of preference:  
 1) elapsed time meters on sand filter dosing pumps;  
 2) elapsed time meters on influent pumps;  
 3) water use records and  
 4) bucket and stop-watch.

Table III.A.6

**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR DISCHARGES FROM SANITARY SEWAGE TREATMENT SYSTEMS, OTHER THAN LAGOON SYSTEMS, WITH A DESIGN FLOW OF LESS THAN 1,500 GALLONS PER DAY THAT DISCHARGE DIRECTLY TO THE OHIO RIVER.**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. **Report data using outfall designation 006.**

<u>EFFLUENT CHARACTERISTICS</u>			<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS (3)</u>	
Reporting Code	Units	Parameter	Concentration		Meas. Frequency	Sample Type
			30 Day	Daily		
00056	GPD	Flow Rate	-	-	Daily	24HrTot.Est.*
00530	mg/l	Total Suspended Solids	12	18	1/year	Grab
00610	mg/l	Nitrogen,Ammonia(NH <sub>3</sub> )				
		(summer)	1.0	1.5	1/year	Grab
		(winter)	3.0	4.5	1/year	Grab
80082	mg/l	CBOD <sub>5</sub>	10	15	1/year	Grab
31616	#/100ml	Fecal Coliform				
		(summer only)	200	400	1/year	Grab
00083	-	color, severity (1)	-	-	Daily	Estimate
01330	-	odor, severity (1)	-	-	Daily	Estimate
01350	-	turbidity, severity (1)	-	-	Daily	Estimate
00300	mg/l	Dissolved Oxygen	not less than 6.0 at any time		1/year	Grab
50060	mg/l	Chlorine,total residual (2) (Summer only)	not to exceed 0.019 at any time		1/year	Grab

Sampling and reporting for 1/year parameters is required in September, except that 1/year (winter) parameters may be sampled and reported during any month from November through April.

- (1) See Part IV, E.  
 (2) See Part IV, F and G.  
 (3) See Part V, L. 4.

\* Acceptable methods for estimating flow are, in order of preference:  
 1) elapsed time meters on sand filter dosing pumps;  
 2) elapsed time meters on influent pumps;  
 3) water use records; and  
 4) bucket and stop-watch.

**Table III.B.**

**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR DISCHARGES FROM CONTINUOUS DISCHARGE LAGOON SYSTEMS.**

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements. **Report data using outfall designation 011.**

<u>EFFLUENT CHARACTERISTIC</u>			<u>DISCHARGE LIMITATION</u>		<u>MONITORING REQUIREMENTS</u>	
Reporting Code	Units	Parameter	Concentration 30 Day	Daily	Meas. Frequency	Sample Type
00056	GPD	Flow Rate	-	-	Daily	24hr Estimate *
00530	mg/l	Total Suspended Solids	65	90	1/quarter	Grab
00610	mg/l	Nitrogen, Ammonia (summer)	-	-	1/quarter	Grab
80082	mg/l	CBOD <sub>5</sub>	25	40	1/quarter	Grab
00083	-	color, severity (1)	-	-	Daily	Estimate
01330	-	odor, severity (1)	-	-	Daily	Estimate
01350	-	turbidity, severity (1)	-	-	Daily	Estimate
00300	mg/l	Dissolved Oxygen	not less than 6.0 at any time		1/month	Grab

Sampling and reporting for 1/quarter parameters is required in March, June, August and December.

(1) See Part IV, E.

\* Acceptable methods for estimating flow are, in order of preference:

- 1) elapsed time meters on sand filter dosing pumps;
- 2) elapsed time meters on influent pumps;
- 3) water use records and
- 4) bucket and stop-watch.

**Table III.C.**

**EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

3. Sludge. All permittees shall monitor the treatment works' final sludge and report to the Ohio EPA in accordance with the following table. **Report data using station designation 588.**

<u>EFFLUENT CHARACTERISTIC</u>			<u>MONITORING REQUIREMENTS</u>	
Reporting Code	Units	Parameter	Meas. Frequency	Sample Type
80991	Gallons	Sludge Total Gallons Removed	1/Month*	Total
70318	%	Sludge Solids, Percent Total	1/Month*	Grab
70316	Dry Tons	Sludge Weight	1/Month*	Total

\* Calculated total for the sampling period when sludge is removed from the wastewater treatment facility. If no sludge is removed during the entire month, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report), and enter "No sludge removed during month" in the "Additional Remarks" section. A signature is still required.

**Part IV. SPECIAL CONDITIONS**

- A. This permit may be modified, or revoked and reissued, to comply with any applicable standards or regulations.
- B. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.
- C. Samples taken in compliance with the effluent monitoring requirements shall be collected following treatment and prior to either direct discharge to the receiving stream or discharge to the receiving stream via a storm sewer.
- D. The permittee shall submit a written description of the method of sludge disposal to be used to the appropriate Ohio EPA District Office 30 days prior to disposal. If necessary, Ohio EPA may require the submittal of an approvable Sludge Management Plan.
- E. For turbidity, odor and color, use the following table to determine the value between 0 and 4 that is reported.

REPORTED VALUE*	SEVERITY DESCRIPTION	TURBIDITY	ODOR	COLOR
0	None	Clear	None	Colorless
1	Mild			
2	Moderate	Light Solids	Musty	Grey (Light Green**)
3	Serious			
4	Extreme	Heavy Solids	Septic	Black (Dark Green**)

\* interpolate between the descriptive phrases

\*\* for lagoon systems

- F. The parameters listed below have had effluent limitations established that are below the Practical Quantification Level (PQL) for the 40 CFR 136 promulgated analytical procedure for those parameters. In accordance with ORC Section 6111.13, if a discharge limit is set below the PQL, any analytical result reported equal to or less than the OEPA PQL shall be considered in compliance with the limit.

### **REPORTING**

All analytical results, even those below the OEPA PQL, (listed below), shall be reported. Analytical results are to be reported as follows:

1. Results above the PQL: Report the analytical result for the parameter of concern.
2. Results above the MDL, but below the PQL: Report the analytical result, even though it is below the PQL.
3. Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

The following table will be used to determine compliance with NPDES permit limit:

<u>Parameter</u>	<u>PQL</u>
Total Residual Chlorine	0.050 mg/l

- G. Effluent disinfection is not directly required. However, the permittee is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Disinfection may be required if Ohio EPA determines that future bacteriological studies or emergency conditions indicate the need. If the effluent is disinfected by means other than chlorine, monitoring for chlorine is not required. Report 'AH' on the monthly operating report (MOR) form for chlorine and explain in the remarks section of the MOR form.

## **Part V. STANDARD PERMIT CONDITIONS**

### **A. Duty to Comply.**

1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Ohio Revised Code Chapter 6111 and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
2. Penalties for Violations of Permit Conditions.
  - a. Criminal
    - (1) Ohio Revised Code Chapter 6111 provides that any person who violates permit conditions is subject to a fine and or imprisonment.
    - (2) Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information. ORC Section 6111.99 provides that any person who knowingly submits false information or records or fails to submit information or records shall be fined not more than \$25,000.

- (3) ORC Section 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.
- (4) ORC Section 6111.99 provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.
- (5) ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042., 6111.05., or paragraph (A) of Section 6111.07 of the Revised Code shall be fined not more than twenty-five thousand dollars or imprisoned not more than one year, or both.

b. Civil

Ohio Revised Code Chapter 6111 provides that any person who violates a permit condition is subject to a civil penalty.

**B. Continuation of the Expired General Permit.** An expired general permit continues in force and effect until a new general permit is issued provided the NOI has been submitted within 45 days after the effective date of the renewed general permit.

**C. Need to halt or reduce activity not a defense.** 40 CFR Section 122.41(c) states that 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.

**D. Signatory Requirements.** All Notices of Intent, Notices of Termination, reports, certifications or information either submitted to the Director (and/or the operator of a large or medium municipal separate storm sewer system), or that this permit requires be maintained by the permittee, shall be signed.

1. All Notices of Intent 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: (1) 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 (2) the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second-quarter 1980 dollars) if 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.
- 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 federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of USEPA).

2. All reports required by the permit and other information requested by the Director shall be

signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if all of the following apply:

- a. The authorization is made in writing by a person described above and submitted to the Director.
- 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 manager, operator, superintendent, or 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).
- c. Changes to authorization. If an authorization under paragraph V.D.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 paragraph V.D.2. must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative.
- d. Certification. Any person signing documents under this section 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 gathered and evaluated 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 or imprisonment for knowing violations."*

- E. Transfers.** The Director may require the permittee to apply for and obtain an individual NPDES permit as stated in Part V.F.

Coverage under this permit cannot be transferred or assigned nor shall a new owner or successor be authorized to discharge from the facility until all of the following requirements are met:

1. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA District Office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the Ohio EPA district office sixty days prior to the proposed date of transfer.
2. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and proposed permittee (including acknowledgment that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA District Office within sixty days after receipt by the Ohio EPA Central Office of the copy of the letter from the permittee to the succeeding owner.
3. The Director does not within thirty days after receipt of the written agreement notify the current permittee and the proposed permittee that a new NOI must be filed.

4. The new owner or successor receives written confirmation and approval of the transfer from the Director of the Ohio EPA.

At any time during the 60 day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit.

**F. Requiring an individual permit or an alternative general permit.**

1. The Director may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Director to take action under this paragraph. The Director may notify the owner or operator in writing that a permit application is required. This notice may include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the owner or operator to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Individual permit applications shall be submitted to the appropriate Ohio EPA District Office. The Director may grant additional time to submit the application upon request of the applicant. If an owner or operator fails to submit in a timely manner an individual NPDES permit application as required by the Director, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified for application submittal. Any discharge past this date is illegal and subject to enforcement, unless the proper NPDES permit is obtained.
2. Any owner or operator authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. The owner or operator shall submit an individual application on forms provided by Ohio EPA, along with reasons supporting the request to the Director. Individual permit applications shall be submitted to the appropriate Ohio EPA District Office. The request may be granted by the issuance of any individual permit or an alternative general permit if the reasons cited by the owner or operator are adequate to support the request (see Part I.C)
3. When an individual NPDES permit is issued to an owner or operator otherwise subject to this permit, or the owner or operator is authorized for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be.

Ohio Administrative Code, Chapter 3745-38-04, lists several cases where the Director may require an individual NPDES permit be issued to a permittee covered under the general permit.

**G. Environmental Laws.** No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

**H. Inspection and Entry.** The permittee shall allow the Director or an authorized representative of Ohio EPA or other designated representative or, in the case of a facility that discharges through a municipal separate storm sewer, an authorized representative of the municipal operator or the separate storm sewer receiving the discharge, upon the 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 Ohio Revised Code Chapter 6111, any substances or parameters at any location.
- I. Upset.** The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part VI. of this permit (Definitions).
- J. General Effluent Limitations.** The effluent shall, at all times, be free of substances:
1. in amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;
  2. of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;
  3. in amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;
  4. in amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;
  5. in amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion; and
  6. in amounts that will impair designated instream or downstream water uses.
- K. Facility Operation and Quality Control.** All sanitary sewage treatment facilities shall be operated in a manner consistent with the following:
1. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.
  2. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.
  3. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by the Ohio EPA as specified in the Paragraph in this Part V.R. (UNAUTHORIZED DISCHARGES).

**L. Reporting.**

1. Except for those facilities with a design flow of less than 1,500 gallons per day, all monitoring data required by this permit shall be reported on the Ohio EPA report form (4500) on a monthly basis. For facilities with a design flow of less than 1,500 gallons per day, only annual data needs to be reported on Ohio EPA Form 4500 and submitted for September. All other monitoring data required by this permit shall be retained on site for inspection. Individual reports for each sampling station for each month are to be received no later than the 25th day of the next month. The original copy of the report form must be signed and mailed to:

**Ohio Environmental Protection Agency  
General Permit MOR  
P.O. Box 1049  
Columbus, Ohio 43216-1049**

2. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.
3. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4500), but records shall be retained as specified in Part V.O.(RECORDS RETENTION).

**M. Sampling and Analytical Methods.** Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored flow. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The facility performing the analyses shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals necessary to ensure accuracy of measurements.

**N. Recording of Results.** For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

1. the exact place and date of sampling (time of sampling not required on EPA 4500);
2. the person(s) who performed the sampling or measurements;
3. the date the analyses were performed on those samples;
4. the person(s) who performed the analyses;
5. the analytical techniques or methods used; and
6. the results of all analyses and measurements.

**O. Records Retention.** The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years, including:

1. all sampling and analytical records (including internal sampling data not reported);
2. all original recordings for any continuous monitoring instrumentation;
3. all instrumentation, calibration and maintenance records;
4. all plant operation and maintenance records;
5. all reports required by this permit; and
6. records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the USEPA Regional Administrator or the Ohio EPA. The three year period for retention of records shall start from the date of sample, measurement, report, or application.

**P. Availability of Reports.** Except for data determined by Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the Ohio EPA Central Office.

**Q. Duty to Provide Information.** The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

**R. Unauthorized Discharges.**

1. Bypassing or diverting of wastewater from the treatment works is prohibited unless:
  - a. bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - b. 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 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
  - c. the permittee submitted notices as required under Part V. R.4. of this permit.
2. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least ten days before the date of the bypass.
3. The Director may approve an unanticipated bypass, after considering its adverse effects, if the Director determines that it has met the three conditions listed in Part V. R.1. of this permit.
4. The permittee shall submit notice of an unanticipated bypass as required in Part V. S. of this permit (24-hour notice).
5. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded if that bypass is for essential maintenance to assure efficient operation. The permittee shall monitor effluent quality during these episodes at any frequency necessary to accurately and fully characterize the event.

**S. Noncompliance Notification.**

1. The permittee shall by telephone report any of the following within twenty-four (24) hours of discovery at (toll free) 1-800-282-9378:
  - a. any noncompliance which may endanger health or the environment;
  - b. any unanticipated bypass which exceeds any effluent limitation in the permit;
  - c. any upset which exceeds any effluent limitation in the permit; or
  - d. any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit.
2. For the telephone reports required by Part V.S.1., the following information must be included:
  - a. the times at which the discharge occurred, and was discovered;
  - b. the approximate amount and the characteristics of the discharge;

- c. the stream(s) affected by the discharge;
  - d. the circumstances which created the discharge;
  - e. the names and telephone numbers of the persons who have knowledge of these circumstances;
  - f. what remedial steps are being taken; and
  - g. the names and telephone numbers of the persons responsible for such remedial steps.
3. These telephone reports shall be confirmed in writing within five days of the discharge and submitted to the appropriate Ohio EPA District Office. The report shall include the following:
    - a. the limitation(s) which has been exceeded;
    - b. the extent of the exceedance(s);
    - c. the cause of the exceedance(s);
    - d. the period of the exceedance(s) including exact dates and times;
    - e. if uncorrected, the anticipated time the exceedance(s) is expected to continue; and
    - f. steps being taken to reduce, eliminate, and/or prevent recurrence of the exceedance(s).
  4. The permittee shall report all instances of noncompliance not reported under paragraphs 1, 2, or 3 of this Part, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraphs 2 and 3 of this Part.
  5. Where the permittee becomes aware that it failed to submit any relevant application or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.
- T. Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.
- U. Discharge Changes.** The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable.

Any significant change in character of the discharge that the permittee knows or has reason to believe has occurred or will occur that would constitute cause for termination of coverage under the permit. Also, any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant, or increases in flow that would result in a total plant flow greater than the design flow of the facility. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

Following this notice, a determination will be made as to whether the permit should remain unchanged or be terminated. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Ohio Revised Code, Sections 6111.44 and 6111.45, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

A Permit-to-Install (PTI) is required by OAC rule 3745-42-02 in order to install or modify treatment/disposal systems, including systems to treat water from sanitary wastewater treatment systems designed to treat an average flow of 25,000 gallons per day or less. The approval of coverage under this general permit shall in no way be construed as approval of detail plans or a PTI. The approval of a PTI does not preclude a facility from obtaining an NPDES permit. Discharges to surface waters require an effective NPDES permit, including those discharges from systems for which a PTI was obtained.

**V. Toxic Pollutants.** The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director may modify this permit and so notify the permittee.

**W. Permit Revocation.**

1. After notice and opportunity for a hearing, permit coverage may be revoked by the Ohio EPA during its term for cause including, but not limited to, the following:
  - a. a violation of any terms or conditions of this permit;
  - b. obtaining coverage under this permit by misrepresentation or failure to disclose fully all relevant facts;
  - c. a change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge; or
  - d. obtaining coverage under an individual or alternative general permit is required (see Part V.F.).
2. The filing of a request by the permittee for permit coverage revocation does not stay any permit condition. See Part II.F. for requirements regarding Notice of Termination (NOT).

**X. Oil and Hazardous Substance Liability.** With the exception of full compliance with the effluent limitations found in this general permit, 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 Section 311 of the Act.

**Y. Solids Disposal.** Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state. For publicly owned treatment works, these shall be disposed of in accordance with the approved Ohio EPA Sludge Management Plan.

**Z. Construction Affecting Navigable Waters.** This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

**AA. Civil and Criminal Liability.** Except as exempted in the permit conditions Part V.R.(UNAUTHORIZED DISCHARGES) or Part V.I.(UPSETS) of the permit, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

**AB. State Laws and Regulations.** Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Act.

**AC. Property Rights.** The issuance of 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 any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

**AD. 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.

**AE. Applicable Federal Rules.** All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

**AF. Pollution Prevention.** It is suggested that, if applicable, the permittee evaluate potential prevention methods and install the latest pollution prevention technology if it is economically feasible. If pollution prevention methods are currently being used, it is suggested that they be re-evaluated; the latest pollution prevention technology should be installed if applicable, necessary, and economically feasible.

**AG. Certified Operators.** Any treatment facility that was required by a PTI to be under the supervision of a certified operator shall remain under the supervision of a certified operator. Any permittee shall obtain a certified operator if the director determines that a serious sanitary hazard exists at the treatment facility.

**AH. Dechlorination.** If dechlorination is necessary to achieve compliance with the residual chlorine limit in this permit, the discharger shall submit a PTI for the dechlorination installation to the appropriate District Office of the Ohio EPA and shall not install the system until Ohio EPA issues the PTI.

## Part VI - DEFINITIONS

**"Absolute Limitations"** Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

**"Act"** means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act), 33 USC.1251 et seq.

**"Bypass"** means the intentional diversion of waste streams from any portion of the sanitary sewage treatment facility.

**"Director"** means the Director of Ohio EPA or an authorized representative.

**"Existing"** For the purpose of this permit, an existing point source discharge is one that was in existence prior to July 1, 1993, or any sanitary sewage treatment facility that has previously been covered by an NPDES permit.

**"Municipal separate storm sewer system"** means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) that is:

- (a) owned or operated by the federal government, state, municipality, township, county, district, or other public body (created by or pursuant to state or federal law) including special district under state law such as a sewer district, flood control district or drainage districts, or similar entity, or a designated and approved management agency under section 208 of the Act that discharges into surface waters of the state;
- (b) designated or used for collecting or conveying solely storm water;
- (c) not a combined sewer; and
- (d) not part of a publicly owned treatment works.

**"GPD"** means gallons per day.

**"mg/l"** means milligrams per liter.

**"National Pollutant Discharge Elimination System (NPDES)"** means the national program for issuing, modifying, revoking, reissuing, terminating, monitoring and enforcing permits, and enforcing

pretreatment requirements, under sections 307, 402, 318, and 405 of the Act. The term includes an "approved program".

"NOI" means notice of intent to be covered by this permit (see Part II of this permit).

"NOT" means notice of termination (see Part II.F. of this permit).

"Quarterly sampling frequency" means the sampling shall be done in the months of March, June, August, and December.

"Yearly sampling frequency" means the sampling shall be done in the month of September.

"Receiving waters" means the waters of the state into which point and non-point sources flow.

"Reporting Code" is a five digit number used by Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities that would cause them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

"Sewage" means any substance that contains waste products or excrements or other discharge from the bodies of human beings or animals.

"Summer" shall be considered to be the period from May 1 through October 31.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

"Waters of the State" means all streams, lakes, reservoirs, ponds, marshes, wetlands, watercourses, waterways, springs, irrigation systems, drainage systems, and all other bodies or accumulations of surface water, natural or artificial, that are situated wholly or partly within, or border upon this state, or are within its jurisdiction, except those private waters that do not combine or effect a junction with natural surface waters.

"Winter" shall be considered to be the period from November 1 through April 30.

"7-day concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of daily concentration limitation made during the 7-day period. If only one sample is taken during the 7-day period, its concentration is the 7-day concentration limitation for that 7-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"30-day concentration limitation" means the arithmetic average (weighted by flow) of all the determinations of daily concentration made during the 30-day period. If only one sample is taken during the 30-day period, its concentration is the 30-day concentration for that 30-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"#/100ml" means the number of bacteria per 100 milliliters of sample.