

**PERMIT NO. MIG080000**

**STATE OF MICHIGAN**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
WASTEWATER DISCHARGE GENERAL PERMIT**

**PETROLEUM CONTAMINATED WASTEWATER**

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 *et seq.*) (the "Federal Act"), Michigan Act 451, Public Acts of 1994, as amended (the "Michigan Act"), Parts 31 and 41, and Michigan Executive Orders 1991-31, 1995-4, and 1995-18, treated petroleum contaminated wastewater is authorized to be discharged from facilities specified in individual "certificates of coverage" (COC) in accordance with effluent limitations, monitoring requirements, and other conditions set forth in this general National Pollutant Discharge Elimination System (NPDES) permit (the "permit"). Petroleum includes, but is not limited to, crude oil, gasoline, kerosene, other petroleum products, and chemicals used in the recovery and refining of crude oil such as brine, lead, and methyl tert-butyl ether (MTBE).

The applicability of this permit shall be limited to discharges of petroleum contaminated wastewater which: a) have been treated using "best available technology economically achievable" (BAT) which may include multi-stage activated carbon, air stripping (i.e. packed tower, multiple tray), ultra-violet/oxidation, or biological treatment systems; any of these systems may be used in conjunction with in-situ bioremediation and/or may use chemicals such as chlorine for maintenance of the treatment systems; b) contain those pollutants for which treatment efficiency and discharge quality can be adequately characterized by the indicator compounds benzene, ethylbenzene, toluene, xylenes, and/or the polynuclear aromatic hydrocarbons; c) may contain substances which the Michigan Department of Environmental Quality (the "Department") has determined will not result in a violation of the Water Quality Standards and do not need to be limited or monitored in the discharge; and d) have been determined by the Department not to need an individual NPDES permit. Discharges which may cause or contribute to a violation of a water quality standard are not authorized by this permit.

In order to constitute a valid authorization to discharge, this permit must be complemented by a COC issued by the Department. The COC will specify which sections of this permit apply at the individual facility.

Unless specified otherwise, all contact with the Department required by this permit shall be to the position indicated in the COC, and all Department approvals specified in this permit shall be by the position indicated in the COC.

This general permit shall take effect **April 1, 2010**. The provisions of this permit are severable. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term in accordance with applicable laws and rules.

This general permit shall expire at midnight, **April 1, 2015**.

**Issued** July 21, 2009.

Original Permit Signed by Daniel Dell  
Daniel Dell, Chief  
Permits Section  
Water Bureau

## **PERMIT FEE REQUIREMENTS**

In accordance with Section 324.3120 of the Michigan Act, the permittee shall make payment of an annual permit fee to the Department for each October 1 the permit is in effect regardless of occurrence of discharge. The permittee shall submit the fee in response to the Department's annual notice. The fee shall be postmarked by January 15 for notices mailed by December 1. The fee is due no later than 45 days after receiving the notice for notices mailed after December 1.

## **CONTESTED CASE INFORMATION**

The terms and conditions of this general permit shall apply to an individual facility on the effective date of a COC for the facility. The Department of Energy, Labor, and Economic Growth may grant a contested case hearing on this general permit in accordance with the Michigan Act. Any person who is aggrieved by this permit may file a sworn petition with the State Office of Administrative Hearings and Rules of the Michigan Department of Energy, Labor, and Economic Growth, setting forth the conditions of the permit which are being challenged and specifying the grounds for the challenge. The Department of Energy, Labor, and Economic Growth may grant a contested case hearing on the COC issued to an individual facility under this general permit in accordance with Rule 2192(c) (Rule 323.2192 of the Michigan Administrative Code).

**PART I**

**Section A. Effluent Limitations And Monitoring Requirements**

**1. Final Effluent Limitations for Multi-Stage Activated Carbon Facilities**

During the period beginning on the effective date of this permit and the effective date of an individual COC, and lasting until the expiration of this permit or termination of the individual COC, the permittee is authorized to discharge treated wastewaters to the surface waters of the state of Michigan. This section of the permit shall apply to wastewaters which have been treated using a multi-stage activated carbon treatment system. Such discharge shall be limited and monitored by the permittee as specified below.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
<b>Intermediate Stage Monitoring and Reporting:</b>								
Total BETX (benzene, ethylbenzene, toluene, and xylenes)				(report)	---	ug/l	Weekly	Grab
<b>Final Effluent Limitations, Monitoring, and Reporting:</b>								
Flow	(report)	(report)	MGD	---	---	---	Daily	Report Total Daily Flow
Total BETX	---	---	---	---	20	ug/l	Weekly	Grab
Total Lead	---	---	---	---	(report)	ug/l	Monthly	Grab
Equipment, discharge, and receiving water inspection			---	---	(report)	---	3X Weekly	Visual
				<b>Minimum</b>	<b>Maximum</b>			
				<u>Daily</u>	<u>Daily</u>			
Dissolved Oxygen	---	---	---	4.0	---	mg/l	Monthly	Grab
pH	---	---	---	6.5	9.0	S.U.	Monthly	Grab

- a. **Narrative Standard**  
The receiving water shall contain no turbidity, color, oil films, floating solids, foams, settleable solids, suspended solids, or deposits as a result of this discharge in unnatural quantities which are or may become injurious to any designated use.
- b. **Monitoring Locations**  
Samples and measurements taken in compliance with the intermediate stage monitoring requirements above shall be taken prior to the final activated carbon stage. Samples and measurements for flow and total BETX taken in compliance with the final monitoring requirements above shall be taken prior to mixing with the surface waters of the state or any other waste stream. Samples and measurements for total lead, dissolved oxygen, and pH shall be taken prior to mixing with the surface waters of the state.
- c. **Proper Operation and Maintenance**  
The permittee shall operate the multi-stage activated carbon treatment system such that the rotation of carbon stages and the replacement of spent carbon shall be initiated upon break-through of pollutants into the final treatment stage.
- d. **Monitoring Records**  
Electronic discharge monitoring reports shall be submitted as specified in Part II.C.2. unless the permittee has been authorized by the Department to conduct retained self-monitoring in accordance with Part II.C.3. of this permit.

**PART I**

**Section A. Effluent Limitations And Monitoring Requirements**

**2. Final Effluent Limitations for Air Stripper Facilities**

During the period beginning on the effective date of this permit and the effective date of an individual COC, and lasting until the expiration of this permit or termination of the individual COC, the permittee is authorized to discharge treated wastewaters to the surface waters of the state of Michigan. This section of the permit shall apply to wastewaters which have been treated using an air stripping treatment system. Such discharge shall be limited and monitored by the permittee as specified below.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
Flow	(report)	(report)	MGD	---	---	---	Daily	Report Total Daily Flow
Total BETX (benzene, ethylbenzene, toluene, and xylenes)				---	20	ug/l	Weekly	Grab
The permittee shall report all U.S. EPA Method 610 Polynuclear Aromatic Hydrocarbons (PAHs) detected in the effluent. Each individual PAH shall be limited in the discharge as follows:				see Part I.A.2.b.	5	ug/l	Weekly	Grab
Total Lead	---	---	---	---	(report)	ug/l	Monthly	Grab
Equipment, discharge, and receiving water inspection			---	---	(report)	---	3X Weekly	Visual
				<b>Minimum</b>	<b>Maximum</b>			
pH	---	---	---	<u>Daily</u>	<u>Daily</u>	S.U.	Monthly	Grab
				6.5	9.0			

- a. **Narrative Standard**  
The receiving water shall contain no turbidity, color, oil films, floating solids, foams, settleable solids, suspended solids, or deposits as a result of this discharge in unnatural quantities which are or may become injurious to any designated use.
- b. **Polynuclear Aromatic Hydrocarbons**  
The following PAHs may not be discharged in concentrations greater than 0.31 ug/l each, as a monthly average: benzo(a)pyrene (cas#50328), dibenzo(a,h)anthracene (cas#53703), benzo(a)anthracene (cas#56553), indeno(1,2,3-cd)pyrene (cas#193395), benzo(b)fluoranthene (cas#205992), benzo(k)fluoranthene (cas#207089), and chrysene (cas#218019). In addition, fluoranthene (cas#206440) and phenanthrene (cas#85018) may not be discharged in concentrations greater than 1.6 and 1.4 ug/l, respectively, as a monthly average.
- c. **Monitoring Locations**  
Samples and measurements for flow, total BETX, and PAHs taken in compliance with the final monitoring requirements above shall be taken prior to mixing with the surface waters of the state or any other waste stream. Samples and monitoring for total lead and pH shall be taken prior to mixing with the surface waters of the state.
- d. **Proper Operation and Maintenance**  
The permittee shall not discharge sludges, suspended solids, or settleable solids to the surface waters of the state during periodic cleaning of the air stripper.
- e. **Monitoring Records**  
Electronic discharge monitoring reports shall be submitted as specified in Part II.C.2. unless the permittee has been authorized by the Department to conduct retained self-monitoring in accordance with Part II.C.3. of this permit.

**PART I**

**Section A. Effluent Limitations And Monitoring Requirements**

**3. Final Effluent Limitations for Ultraviolet/Oxidation Facilities**

During the period beginning on the effective date of this permit and the effective date of an individual COC, and lasting until the expiration of this permit or termination of the individual COC, the permittee is authorized to discharge treated wastewaters to the surface waters of the state of Michigan. This section of the permit shall apply to wastewaters which have been treated using an ultraviolet/oxidation treatment system. Such discharge shall be limited and monitored by the permittee as specified below.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
Flow	(report)	(report)	MGD	---	---	---	Daily	Report Total Daily Flow
Total BETX (benzene, ethylbenzene, toluene, and xylenes)				---	20	ug/l	Weekly	Grab
The permittee shall report all U.S. EPA Method 610 Polynuclear Aromatic Hydrocarbons (PAHs) detected in the effluent. Each individual PAH shall be limited in the discharge as follows: see Part I.A.3.b.				5	ug/l	Weekly	Grab	
Hydrogen Peroxide, measured as total residual oxidant, see Part I.A.3.d.				180	ug/l	Weekly	Grab	
Oxidant Dose Rate	---	(report)	mg/l	---	---	---	Daily	Calculation
Total Lead	---	---	---	---	(report)	ug/l	Monthly	Grab
Equipment, discharge, and receiving water inspection			---	---	(report)	---	3X Weekly	Visual
				<b>Minimum</b>	<b>Maximum</b>			
pH	---	---	---	<u>Daily</u> 6.5	<u>Daily</u> 9.0	S.U.	Monthly	Grab

- a. **Narrative Standard**  
The receiving water shall contain no turbidity, color, oil films, floating solids, foams, settleable solids, suspended solids, or deposits as a result of this discharge in unnatural quantities which are or may become injurious to any designated use.
- b. **Polynuclear Aromatic Hydrocarbons**  
The following PAHs may not be discharged in concentrations greater than 0.31 ug/l each, as a monthly average: benzo(a)pyrene (cas#50328), dibenzo(a,h)anthracene (cas#53703), benzo(a)anthracene (cas#56553), indeno(1,2,3-cd)pyrene (cas#193395), benzo(b)fluoranthene (cas#205992), benzo(k)fluoranthene (cas#207089), and chrysene (cas#218019). In addition, fluoranthene (cas#206440) and phenanthrene (cas#85018) may not be discharged in concentrations greater than 1.6 and 1.4 ug/l, respectively, as a monthly average.
- c. **Monitoring Locations**  
Samples and measurements for flow, total BETX, and PAHs taken in compliance with the final monitoring requirements above shall be taken prior to mixing with the surface waters of the state or any other waste stream. Samples and monitoring for total lead, pH, and hydrogen peroxide shall be taken prior to mixing with the surface waters of the state.
- d. **Oxidation with Ozone**  
Hydrogen peroxide monitoring and reporting is not required if ozone is used as the oxidant source.

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**Section A. Effluent Limitations And Monitoring Requirements**

- e. **Monitoring Records**  
Electronic discharge monitoring reports shall be submitted as specified in Part II.C.2. unless the permittee has been authorized by the Department to conduct retained self-monitoring in accordance with Part II.C.3. of this permit.

**4. Final Effluent Limitations for Biological Treatment Facilities**

During the period beginning on the effective date of this permit and the effective date of an individual COC, and lasting until the expiration of this permit or termination of the individual COC, the permittee is authorized to discharge treated wastewaters to the surface waters of the state of Michigan. This section of the permit shall apply to wastewaters which have been treated using a biological treatment system. Such discharge shall be limited and monitored by the permittee as specified below.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
Flow	(report)	(report)	MGD	---	---	---	Daily	Report Total Daily Flow
Total BETX (benzene, ethylbenzene, toluene, and xylenes)				---	20	ug/l	Weekly	Grab
The permittee shall report all U.S. EPA Method 610 Polynuclear Aromatic Hydrocarbons (PAHs) detected in the effluent. Each Individual PAH shall be limited in the discharge as follows:				see Part I.A.4.b.	5	ug/l	Weekly	Grab
Total Suspended Solids	---	---	---	20	30	mg/l	Weekly	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD <sub>5</sub> )	---	---	---	4	10	mg/l	Weekly	24-Hr Composite
Ammonia Nitrogen, as N	---	---	---	0.5	2	mg/l	Weekly	24-Hr Composite
Total Phosphorus	---	---	---	1.0	---	mg/l	Weekly	24-Hr Composite
Total Lead	---	---	---	---	(report)	ug/l	Monthly	Grab
Equipment, discharge, and receiving water inspection	---	---	---	---	(report)	---	3X Weekly	Visual
				<b>Minimum</b>	<b>Maximum</b>			
				<b>Daily</b>	<b>Daily</b>			
Dissolved Oxygen	---	---	---	4.0	---	mg/l	Weekly	Grab
pH	---	---	---	6.5	9.0	S.U.	Monthly	Grab

- a. **Narrative Standard**  
The receiving water shall contain no turbidity, color, oil films, floating solids, foams, settleable solids, or deposits as a result of this discharge in unnatural quantities which are or may become injurious to any designated use.

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- b. **Polynuclear Aromatic Hydrocarbons**  
 The following PAHs may not be discharged in concentrations greater than 0.31 ug/l each, as a monthly average: benzo(a)pyrene (cas#50328), dibenzo(a,h)anthracene (cas#53703), benzo(a)anthracene (cas#56553), indeno(1,2,3-cd)pyrene (cas#193395), benzo(b)fluoranthene (cas#205992), benzo(k)fluoranthene (cas#207089), and chrysene (cas#218019). In addition, fluoranthene (cas#206440) and phenanthrene (cas#85018) may not be discharged in concentrations greater than 1.6 and 1.4 ug/l, respectively, as a monthly average.
- c. **Monitoring Locations**  
 Samples and measurements for flow, total BETX, and PAHs taken in compliance with the final monitoring requirements above shall be taken prior to mixing with the surface waters of the state or any other waste stream. Samples and monitoring for total suspended solids, CBOD<sub>5</sub>, ammonia nitrogen, total phosphorus, total lead, dissolved oxygen, and pH shall be taken prior to mixing with the surface waters of the state.
- d. **Monitoring Records**  
 Electronic discharge monitoring reports shall be submitted as specified in Part II.C.2. unless the permittee has been authorized by the Department to conduct retained self-monitoring in accordance with Part II.C.3. of this permit.

**5. Additional Final Effluent Limitations for In-Situ Bio-Remediation**

If the discharge is the result of a groundwater remediation that includes in-situ bio-remediation with nutrient addition as part of a corrective action program, the following additional final effluent limitations shall apply and the discharge shall be limited and monitored by the permittee as specified below. These additional limitations are not necessary if Part I.A.4. of this permit applies to the facility.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
Total Phosphorus	---	---	---	1.0	---	mg/l	2X Monthly	Grab
Ammonia Nitrogen, as N	---	---	---	0.5	---	mg/l	2X Monthly	Grab

- a. **Monitoring Location**  
 Samples and measurements for total phosphorus and ammonia nitrogen shall be taken prior to mixing with the surface waters of the state.

**PART I**

**Section A. Effluent Limitations And Monitoring Requirements**

**6. Additional Final Effluent Limitations for Methyl tert-Butyl Ether (MTBE)**

If gasoline is the source of contamination and the gasoline contained MTBE as an additive or if it is determined by the Department to be necessary to assure compliance with Water Quality Standards and/or best available treatment (BAT) limitations/requirements, the following additional final effluent limitations shall apply and the discharge shall be limited and monitored by the permittee as specified below.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
MTBE	---	---	---	---	100	ug/l	Weekly	Grab

- a. **Monitoring Location**  
Samples and measurements for MTBE shall be taken prior to mixing with the surface waters of the state or any other waste stream.

**7. Additional Final Effluent Limitations for Total Phosphorus**

If it is determined by the Department to be necessary to assure compliance with Water Quality Standards and/or best available treatment (BAT) limitations/requirements, the following additional final effluent limitations shall apply and the discharge shall be limited and monitored by the permittee as specified below. These additional limitations are not necessary if Part I.A.4. or Part I.A.5. of this permit applies to the facility.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
Total Phosphorus	---	---	---	1.0	---	mg/l	2X Monthly	Grab

- a. **Monitoring Location**  
Samples and measurements for total phosphorus shall be taken prior to mixing with the surface waters of the state.

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**Section A. Effluent Limitations And Monitoring Requirements**

**8. Additional Final Effluent Limitations for Total Residual Chlorine**

If it is determined by the Department to be necessary to assure compliance with Water Quality Standards and/or best available treatment (BAT) limitations/requirements, the following additional final effluent limitations shall apply and the discharge shall be limited and monitored by the permittee as specified below.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
Total Residual Chlorine (TRC)								
<u>Discharge Mode</u>								
Continuous (greater than 160 min/day) ---	---	---	---	---	38	ug/l	Daily	Grab
Intermittent (less than/equal to 160 min/day)	---	---	---	---	200	ug/l	Daily	Grab
TRC Discharge Time	---	---	---	---	(report)	min/day	Daily	Report Total Discharge Time

- a. Analytical and Monitoring Requirements  
 Total Residual Chlorine (TRC) shall be analyzed by Amperometric Titration using either Standard Method 4500-Cl D, Standard Method 4500-Cl E, or Orion Electrode Model 97-70 (other analytical methods specified in 40 CFR 136 may be used upon approval of the Department). If chlorine discharge is intermittent, TRC monitoring is only required during periods of chlorine use and subsequent discharge. Limitations for the intermittent discharge of chlorine apply only when the discharge of chlorine is less than or equal to 160 minutes per day, otherwise the limitations for continuous discharge of chlorine apply.

During the intermittent discharge of chlorine, the daily concentration value reported for TRC shall be the average of a minimum of three (3) equally spaced grab samples taken during a chlorine discharge event, with the additional limitation that no single sample may exceed 300 ug/l.

The permittee shall enter "\*G" on the Discharge Monitoring Report for the TRC discharge modes not being used.

The permittee may use dechlorination techniques to achieve the applicable TRC limitations, using sodium thiosulfate, sodium sulfite, sodium bisulfite, or other dechlorinating reagents approved by the Department. The quantity of reagent(s) used shall be limited to 1.5 times the stoichiometric amount of applied chlorine.

- b. Monitoring Location  
 Samples and measurements for total residual chlorine shall be taken prior to mixing with the surface waters of the state.

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**Section A. Effluent Limitations And Monitoring Requirements**

**9. Additional Final Effluent Limitations During Well Screen Cleaning**

During the period beginning on the effective date of this permit and the effective date of an individual COC, and lasting until the expiration of this permit or termination of the individual COC, the permittee is authorized to discharge well screen cleaning water to the surface waters of the state of Michigan when a discharge is permitted under Parts I.A.1., I.A.2., I.A.3., or I.A.4. and when chlorine or acid is used to clean the purge well screens. This section shall apply to all permittees. Such discharge shall be limited and monitored by the permittee as specified below.

<u>Parameter</u>	<u>Maximum Limits for Quantity or Loading</u>			<u>Maximum Limits for Quality or Concentration</u>			<u>Frequency of Analysis</u>	<u>Sample Type</u>
	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>	<u>Monthly</u>	<u>Daily</u>	<u>Units</u>		
Total Residual Chlorine	---	---	---	---	38	ug/l	Daily	Grab
pH	---	---	---	<u>Minimum</u>	<u>Maximum</u>	S.U.	Daily	Grab
				<u>Daily</u>	<u>Daily</u>			
				6.5	9.0			

- a. **Analytical and Monitoring Requirements**  
 Total Residual Chlorine (TRC) shall be analyzed by Amperometric Titration using either Standard Method 4500-Cl D, Standard Method 4500-Cl E, or Orion Electrode Model 97-70 (other analytical methods specified in 40 CFR 136 may be used upon approval of the Department). Monitoring for total residual chlorine shall be in addition to all other monitoring requirements specified by the individual COC for this discharge. Monitoring for total residual chlorine shall be required only during periods of chlorine use and subsequent discharge.  
  
 The permittee may use dechlorination techniques to achieve the applicable TRC limitations, using sodium thiosulfate, sodium sulfite, sodium bisulfite, or other dechlorinating reagents approved by the Department. The quantity of reagent(s) used shall be limited to 1.5 times the stoichiometric amount of applied chlorine.
- b. **Monitoring Location**  
 Samples and measurements for total residual chlorine shall be taken prior to mixing with the surface waters of the state.
- c. **Acid Specifications**  
 Acid use shall be limited to nitric, sulfuric, or hydrochloric acids. Other acids may be used upon approval of the Department.

## PART I

### Section A. Effluent Limitations And Monitoring Requirements

#### 10. Required Sampling and Monitoring

The Department may require the permittee to provide additional sampling or monitoring as deemed necessary to assure adequate operation of the treatment system and/or that the Water Quality Standards are not violated as a result of the discharge.

If, after the submittal of at least three months of data, there is little variability in the effluent concentrations, the permittee may request a reduction in monitoring frequency. This request shall contain an explanation as to why the reduced monitoring is appropriate and shall be submitted to the Department. Upon receipt of written approval and consistent with such approval, the permittee may reduce the monitoring frequency indicated in this permit. Total BETX, PAHs, and MTBE may be reduced to a frequency the permittee has demonstrated will assure proper operation of the treatment system and meet the terms and conditions of this permit. The monitoring frequency for total BETX, PAHs, and MTBE shall not be reduced to less than once per month. Upon a demonstration by the permittee that total lead, total phosphorus (for facilities where Part I.A.4. or Part I.A.5. does not apply), dissolved oxygen, and/or pH will consistently meet the requirements of this permit and the Water Quality Standards, the permittee may request reduction or elimination of sampling and monitoring. Properly installed and operated continuous remote monitoring equipment, in conjunction with visual inspection performed by qualified personnel, shall be evaluated by the Department when considering reductions to the equipment, discharge, and receiving water inspection requirement in this permit. On-site visual inspection shall not be reduced to less than twice per month. Total suspended solids, CBOD<sub>5</sub>, ammonia nitrogen, and total phosphorus for biological treatment systems and hydrogen peroxide for ultraviolet/oxidation systems, may not be reduced in monitoring frequency. The Department may revoke the approval for reduced monitoring at any time upon notification to the permittee.

Reissuance or modification of an individual permittee's authorization to discharge (COC) or reissuance or modification of this general permit shall not affect previously approved reductions of required sampling and monitoring, unless changes in writing are provided to the permittee by the Department.

#### 11. Authorization to Discharge

Coverage under this permit does not convey approval to discharge to any ditch, storm sewer, private property, or other method of routing the effluent from the site of origin to the waters of the state. Nor does issuance of this permit or an individual COC constitute approval by the Department of a groundwater remedial plan. It shall be the permittee's responsibility to seek, apply for, and obtain any additional authorizations necessary to initiate the discharge proposed in the permittee's application. If, in the process of obtaining all authorizations necessary to initiate discharge, this requires changes to the permittee's application, the permittee shall modify the NPDES application. Upon review of these changes, the Department may terminate the individual COC, modify the COC, or require an individual NPDES permit for the proposed discharge.

#### 12. Aquifer Testing, Monitoring, and Reporting

All limitations, terms, conditions, and treatment requirements of this permit shall apply during periods of short-term aquifer testing. During aquifer testing, additional monitoring and reporting may be required by the Department to assure that the discharge is meeting the applicable best available treatment (BAT) requirements and the Water Quality Standards.

#### 13. Analytical Quantification Levels

The quantification level for total lead shall be 1.0 ug/l. Quantification levels for other parameters shall be appropriate for the limitations imposed.

**PART I****Section A. Effluent Limitations And Monitoring Requirements****14. Request for Discharge of Water Treatment Additives**

In the event a permittee proposes to discharge water additives, the permittee shall submit a request to discharge water additives to the Department for approval. Such requests shall be sent to the Surface Water Assessment Section, Water Bureau, Department of Environmental Quality, P.O. Box 30273, Lansing, Michigan 48909, with a copy to the Department contact listed on the COC. Instructions to submit a request electronically may be obtained via the Internet (<http://www.michigan.gov/deq> and on the left side of the screen click on Water, Water Quality Monitoring, and Assessment of Michigan Waters; then click on the Water Treatment Additive List which is under the Information banner). Written approval from the Surface Water Assessment Section to discharge such additives at specified levels shall be obtained prior to discharge by the permittee. Additional monitoring and reporting may be required as a condition for the approval to discharge the additive.

A request to discharge water additives shall include all of the following water additive usage and discharge information:

- a. Material Safety Data Sheet;
- b. the proposed water additive discharge concentration;
- c. the discharge frequency (i.e., number of hours per day and number of days per year);
- d. the monitoring point from which the product is to be discharged;
- e. the type of removal treatment, if any, that the water additive receives prior to discharge;
- f. product function (i.e. microbiocide, flocculant, etc.);
- g. a 48-hour LC<sub>50</sub> or EC<sub>50</sub> for a North American freshwater planktonic crustacean (either *Ceriodaphnia sp.*, *Daphnia sp.*, or *Simocephalus sp.*); and
- h. the results of a toxicity test for one other North American freshwater aquatic species (other than a planktonic crustacean) that meets a minimum requirement of Rule 323.1057(2) of the Water Quality Standards.

Prior to submitting the request, the permittee may contact the Surface Water Assessment Section by telephone at 517-335-1180 or via the Internet at the address given above to determine if the Department has the product toxicity data required by items g. and h. above. If the Department has the data, the permittee will not need to submit product toxicity data.

**15. Facility Contact**

The "Facility Contact" was specified in the application. The permittee may replace the facility contact at any time, and shall notify the Department in writing within 10 days after replacement (including the name, address and telephone number of the new facility contact).

- a. The facility contact shall be (or a duly authorized representative of this person):
  - for a corporation, a principal executive officer of at least the level of vice president, or a designated representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the permit application or other NPDES form originates,
  - for a partnership, a general partner,
  - for a sole proprietorship, the proprietor, or
  - for a municipal, state, or other public facility, either a principal executive officer, the mayor, village president, city or village manager or other duly authorized employee.

## PART I

### Section A. Effluent Limitations And Monitoring Requirements

- b. A person is a duly authorized representative only if:
- the authorization is made in writing to the Department by a person described in paragraph a. of this section; and
  - 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 facility (a duly authorized representative may thus be either a named individual or any individual occupying a named position).

Nothing in this section obviates the permittee from properly submitting reports and forms as required by law.

### 16. Expiration and Reissuance

On or before October 1, 2014, a permittee seeking continued authorization to discharge under this permit beyond the permit's expiration date shall submit to the Department a written request containing such information, forms and fees as required by the Department. Without an adequate request, a permittee's authorization to discharge will expire on April 1, 2015. With an adequate request, a permittee shall continue to be subject to the terms and conditions of the expired permit until the Department takes action on the request unless this permit is terminated or revoked.

If this permit is terminated or revoked, all authorizations to discharge under the permit shall expire on the date of termination or revocation.

If this permit is modified, the Department will notify the permittee of any required action. Without an adequate response, a permittee's authorization to discharge will terminate on the effective date of the modified permit. With an adequate response, a permittee shall be subject to the terms and conditions of the modified permit on the effective date of the modified permit unless the Department notifies the permittee otherwise.

If a discharge is terminated, the permittee shall request termination of discharge authorization.

### 17. Requirement to Obtain Individual Permit

The Department may require any person who is authorized to discharge by a COC and this permit, to apply for and obtain an individual NPDES permit if any of the following circumstances apply:

- a. the discharge is a significant contributor to pollution as determined by the Department on a case-by-case basis;
- b. the discharger is not complying or has not complied with the conditions of the permit;
- c. a change has occurred in the availability of demonstrated technology or practices for the control or abatement of waste applicable to the point source discharge;
- d. effluent standards and limitations are promulgated for point source discharges subject to this permit; and
- e. the Department determines that the criteria under which the permit was issued no longer apply.

Any person may request the Department to take action pursuant to the provisions of Rule 2191 (Rule 323.2191 of the Michigan Administrative Code).

## PART II

### Section A. Definitions

This list of definitions may include terms not applicable to this permit.

**Acute toxic unit (TU<sub>A</sub>)** means 100/LC<sub>50</sub> where the LC<sub>50</sub> is determined from a whole effluent toxicity (WET) test which produces a result that is statistically or graphically estimated to be lethal to 50% of the test organisms.

**Bioaccumulative chemical of concern (BCC)** means a chemical which, upon entering the surface waters, by itself or as its toxic transformation product, accumulates in aquatic organisms by a human health bioaccumulation factor of more than 1000 after considering metabolism and other physiochemical properties that might enhance or inhibit bioaccumulation. The human health bioaccumulation factor shall be derived according to R 323.1057(5). Chemicals with half-lives of less than 8 weeks in the water column, sediment, and biota are not BCCs. The minimum bioaccumulation concentration factor (BAF) information needed to define an organic chemical as a BCC is either a field-measured BAF or a BAF derived using the biota-sediment accumulation factor (BSAF) methodology. The minimum BAF information needed to define an inorganic chemical as a BCC, including an organometal, is either a field-measured BAF or a laboratory-measured bioconcentration factor (BCF). The BCCs to which these rules apply are identified in Table 5 of R 323.1057 of the Water Quality Standards.

**Biosolids** are the solid, semisolid, or liquid residues generated during the treatment of sanitary sewage or domestic sewage in a treatment works. This includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes and a derivative of the removed scum or solids.

**Bulk biosolids** means biosolids that are not sold or given away in a bag or other container for application to a lawn or home garden.

**Chronic toxic unit (TU<sub>C</sub>)** means 100/MATC or 100/IC<sub>25</sub>, where the maximum acceptable toxicant concentration (MATC) and IC<sub>25</sub> are expressed as a percent effluent in the test medium.

**Class B Biosolids** refers to material that has met the Class B pathogen reduction requirements or equivalent treatment by a Process to Significantly Reduce Pathogens (PSRP) in accordance with the Part 24 Rules. Processes include aerobic digestion, composting, anaerobic digestion, lime stabilization and air drying.

**Daily concentration** is the sum of the concentrations of the individual samples of a parameter divided by the number of samples taken during any calendar day. If the parameter concentration in any sample is less than the quantification limit, regard that value as zero when calculating the daily concentration. The daily concentration will be used to determine compliance with any maximum and minimum daily concentration limitations (except for pH and dissolved oxygen). When required by the permit, report the maximum calculated daily concentration for the month in the "MAXIMUM" column under "QUALITY OR CONCENTRATION" on the Discharge Monitoring Reports (DMRs).

For pH, report the maximum value of any individual sample taken during the month in the "MAXIMUM" column under "QUALITY OR CONCENTRATION" on the DMRs and the minimum value of any individual sample taken during the month in the "MINIMUM" column under "QUALITY OR CONCENTRATION" on the DMRs. For dissolved oxygen, report the minimum concentration of any individual sample in the "MINIMUM" column under "QUALITY OR CONCENTRATION" on the DMRs.

**Daily loading** is the total discharge by weight of a parameter discharged during any calendar day. This value is calculated by multiplying the daily concentration by the total daily flow and by the appropriate conversion factor. The daily loading will be used to determine compliance with any maximum daily loading limitations. When required by the permit, report the maximum calculated daily loading for the month in the "MAXIMUM" column under "QUANTITY OR LOADING" on the DMRs.

**Department** means the Michigan Department of Environmental Quality.

**Detection Level** means the lowest concentration or amount of the target analyte that can be determined to be different from zero by a single measurement at a stated level of probability.

## PART II

### Section A. Definitions

**EC<sub>50</sub>** means a statistically or graphically estimated concentration that is expected to cause 1 or more specified effects in 50% of a group of organisms under specified conditions.

**Fecal coliform bacteria monthly** is the geometric mean of the samples collected in a calendar month (or 30 consecutive days). The calculated monthly value will be used to determine compliance with the maximum monthly fecal coliform bacteria limitations. When required by the permit, report the calculated monthly value in the "AVERAGE" column under "QUALITY OR CONCENTRATION" on the DMRs.

**Fecal coliform bacteria 7-day** is the geometric mean of the samples collected in any 7-day period. The calculated 7-day value will be used to determine compliance with the maximum 7-day fecal coliform bacteria limitations. When required by the permit, report the maximum calculated 7-day concentration for the month in the "MAXIMUM" column under "QUALITY OR CONCENTRATION" on the DMRs.

**Flow Proportioned sample** is a composite sample with the sample volume proportional to the effluent flow.

**Grab sample** is a single sample taken at neither a set time nor flow.

**IC<sub>25</sub>** means the toxicant concentration that would cause a 25% reduction in a nonquantal biological measurement for the test population.

**Interference** is a discharge which, alone or in conjunction with a discharge or discharges from other sources, both: 1) inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and 2) therefore, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or, of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent state or local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA), and including state regulations contained in any state sludge management plan prepared pursuant to Subtitle D of the SWDA), the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act. [This definition does not apply to sample matrix interference.]

**Land Application** means spraying or spreading biosolids or a biosolids derivative onto the land surface, injecting below the land surface, or incorporating into the soil so that the biosolids or biosolids derivative can either condition the soil or fertilize crops or vegetation grown in the soil.

**LC<sub>50</sub>** means a statistically or graphically estimated concentration that is expected to be lethal to 50% of a group of organisms under specified conditions.

**Maximum acceptable toxicant concentration (MATC)** means the concentration obtained by calculating the geometric mean of the lower and upper chronic limits from a chronic test. A lower chronic limit is the highest tested concentration that did not cause the occurrence of a specific adverse effect. An upper chronic limit is the lowest tested concentration which did cause the occurrence of a specific adverse effect and above which all tested concentrations caused such an occurrence.

**MGD** means million gallons per day.

**Monthly frequency of analysis** refers to a calendar month. When required by this permit, an analytical result, reading, value or observation must be reported for that period if a discharge occurs during that period.

**Monthly concentration** is the sum of the daily concentrations determined during a reporting month (or 30 consecutive days) divided by the number of daily concentrations determined. The calculated monthly concentration will be used to determine compliance with any maximum monthly concentration limitations. When required by the permit, report the calculated monthly concentration in the "AVERAGE" column under "QUALITY OR CONCENTRATION" on the DMRs.

## PART II

### Section A. Definitions

For minimum percent removal requirements, the monthly influent concentration and the monthly effluent concentration shall be determined. The calculated monthly percent removal, which is equal to 100 times the quantity [1 minus the quantity (monthly effluent concentration divided by the monthly influent concentration)], shall be reported in the "MINIMUM" column under "QUALITY OR CONCENTRATION" on the DMRs.

**Monthly loading** is the sum of the daily loadings of a parameter divided by the number of daily loadings determined in the reporting month (or 30 consecutive days). The calculated monthly loading will be used to determine compliance with any maximum monthly loading limitations. When required by the permit, report the calculated monthly loading in the "AVERAGE" column under "QUANTITY OR LOADING" on the DMRs.

**National Pretreatment Standards** are the regulations promulgated by or to be promulgated by the Federal Environmental Protection Agency pursuant to Section 307(b) and (c) of the Federal Act. The standards establish nationwide limits for specific industrial categories for discharge to a POTW.

**No observed adverse effect level (NOAEL)** means the highest tested dose or concentration of a substance which results in no observed adverse effect in exposed test organisms where higher doses or concentrations result in an adverse effect.

**Noncontact Cooling Water** is water used for cooling which does not come into direct contact with any raw material, intermediate product, by-product, waste product or finished product.

**Nondomestic user** is any discharger to a POTW that discharges wastes other than or in addition to water-carried wastes from toilet, kitchen, laundry, bathing or other facilities used for household purposes.

**Partially treated sewage** is any sewage, sewage and storm water, or sewage and wastewater, from domestic or industrial sources that is treated to a level less than that required by the permittee's National Pollutant Discharge Elimination System permit, or that is not treated to national secondary treatment standards for wastewater, including discharges to surface waters from retention treatment facilities.

**Pretreatment** is reducing the amount of pollutants, eliminating pollutants, or altering the nature of pollutant properties to a less harmful state prior to discharge into a public sewer. The reduction or alteration can be by physical, chemical, or biological processes, process changes, or by other means. Dilution is not considered pretreatment unless expressly authorized by an applicable National Pretreatment Standard for a particular industrial category.

**POTW** is a publicly owned treatment works.

**Quantification level** means the measurement of the concentration of a contaminant obtained by using a specified laboratory procedure calculated at a specified concentration above the detection level. It is considered the lowest concentration at which a particular contaminant can be quantitatively measured using a specified laboratory procedure for monitoring of the contaminant.

**Quarterly frequency of analysis** refers to a three month period, defined as January through March, April through June, July through September, and October through December. When required by this permit, an analytical result, reading, value or observation must be reported for that period if a discharge occurs during that period.

**Regional Administrator** is the Region 5 Administrator, U.S. EPA, located at R-19J, 77 W. Jackson Blvd., Chicago, Illinois 60604.

**Significant industrial user** is a nondomestic user that: 1) is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; or 2) discharges an average of 25,000 gallons per day or more of process wastewater to a POTW (excluding sanitary, noncontact cooling and boiler blowdown wastewater); contributes a process wastestream which makes up five (5) percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or is designated as such by the permittee as defined in 40 CFR 403.12(a) on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's treatment plant operation or violating any pretreatment standard or requirement (in accordance with 40 CFR 403.8(f)(6)).

## PART II

### Section A. Definitions

**Significant Materials** Significant Materials means any material which could degrade or impair water quality, including but not limited to: raw materials; fuels; solvents, detergents, and plastic pellets; finished materials such as metallic products; hazardous substances designated under Section 101(14) of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (see 40 CFR 372.65); any chemical the facility is required to report pursuant to Section 313 of Emergency Planning and Community Right-to-Know Act (EPCRA); polluting materials as identified under the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code); Hazardous Wastes as defined in Part 111 of the Michigan Act; fertilizers; pesticides; and waste products such as ashes, slag, and sludge that have the potential to be released with storm water discharges.

**Tier I value** means a value for aquatic life, human health or wildlife calculated under R 323.1057 of the Water Quality Standards using a tier I toxicity database.

**Tier II value** means a value for aquatic life, human health or wildlife calculated under R 323.1057 of the Water Quality Standards using a tier II toxicity database.

**Total Maximum Daily Loads (TMDLs)** are required by the Federal Act for waterbodies that do not meet Water Quality Standards. TMDLs represent the maximum daily load of a pollutant that a waterbody can assimilate and meet Water Quality Standards and an allocation of that load among point sources, nonpoint sources, and a margin of safety.

**Toxicity Reduction Evaluation (TRE)** means a site-specific study conducted in a stepwise process designed to identify the causative agents of effluent toxicity, isolate the sources of toxicity, evaluate the effectiveness of toxicity control options, and then confirm the reduction in effluent toxicity.

**Water Quality Standards** means the Part 4 Water Quality Standards promulgated pursuant to Part 31 of Act No. 451 of the Public Acts of 1994, as amended, being Rules 323.1041 through 323.1117 of the Michigan Administrative Code.

**Weekly frequency of analysis** refers to a calendar week which begins on Sunday and ends on Saturday. When required by this permit, an analytical result, reading, value or observation must be reported for that period if a discharge occurs during that period.

**Yearly frequency of analysis** refers to a calendar year beginning on January 1 and ending on December 31. When required by this permit, an analytical result, reading, value or observation must be reported for that period if a discharge occurs during that period.

**24-Hour Composite sample** is a flow proportioned composite sample consisting of hourly or more frequent portions that are taken over a 24-hour period.

**3-Portion Composite sample** is a sample consisting of three equal volume grab samples collected at equal intervals over an 8-hour period.

**7-day concentration** is the sum of the daily concentrations determined during any 7 consecutive days in a reporting month divided by the number of daily concentrations determined. The calculated 7-day concentration will be used to determine compliance with any maximum 7-day concentration limitations. When required by the permit, report the maximum calculated 7-day concentration for the month in the "MAXIMUM" column under "QUALITY OR CONCENTRATION" on the DMRs.

**7-day loading** is the sum of the daily loadings of a parameter divided by the number of daily loadings determined during any 7 consecutive days in a reporting month. The calculated 7-day loading will be used to determine compliance with any maximum 7-day loading limitations. When required by the permit, report the maximum calculated 7-day loading for the month in the "MAXIMUM" column under "QUANTITY OR LOADING" on the DMRs.

## PART II

### Section B. Monitoring Procedures

#### 1. Representative Samples

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

#### 2. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations promulgated pursuant to Section 304(h) of the Federal Act (40 CFR Part 136 - Guidelines Establishing Test Procedures for the Analysis of Pollutants), unless specified otherwise in this permit. Requests to use test procedures not promulgated under 40 CFR Part 136 for pollutant monitoring required by this permit shall be made in accordance with the Alternate Test Procedures regulations specified in 40 CFR 136.4. These requests shall be submitted to the Chief of the Permits Section, Water Bureau, Michigan Department of Environmental Quality, P.O. Box 30273, Lansing, Michigan, 48909-7773. The permittee may use such procedures upon approval.

The permittee shall periodically calibrate and perform maintenance procedures on all analytical instrumentation at intervals to ensure accuracy of measurements. The calibration and maintenance shall be performed as part of the permittee's laboratory Quality Control/Quality Assurance program.

#### 3. Instrumentation

The permittee shall periodically calibrate and perform maintenance procedures on all monitoring instrumentation at intervals to ensure accuracy of measurements.

#### 4. Recording 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, date, and time of measurement or sampling; 2) the person(s) who performed the measurement or sample collection; 3) the dates the analyses were performed; 4) the person(s) who performed the analyses; 5) the analytical techniques or methods used; 6) the date of and person responsible for equipment calibration; and 7) the results of all required analyses.

#### 5. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the Department.

## PART II

### Section C. Reporting Requirements

#### 1. Start-up Notification

If the permittee will not discharge during the first 60 days following the effective date of the facility's COC, the permittee shall notify the Department within 14 days following the effective date of the COC, and then 60 days prior to the commencement of the discharge.

#### 2. Submittal Requirements for Self-Monitoring Data

Part 31 of Act 451 of 1994, as amended, specifically Section 324.3110(3) and Rule 323.2155(2) of Part 21 allows the department to specify the forms to be utilized for reporting the required self-monitoring data. Unless instructed on the effluent limitations page to conduct "Retained Self Monitoring" the permittee shall submit self-monitoring data via the Michigan DEQ Electronic Environmental Discharge Monitoring Reporting (e2-DMR) system.

The permittee shall utilize the information provided on the e2-Reporting website @ <https://secure1.state.mi.us/e2rs/> to access and submit the electronic forms. Both monthly summary and daily data shall be submitted to the department no later than the **20<sup>th</sup> day of the month** following each month of the authorized discharge period(s).

#### 3. Retained Self-Monitoring Requirements

If instructed on the effluent limits page (or otherwise authorized by the Department in accordance with the provisions of this permit) to conduct retained self-monitoring, the permittee shall maintain a year-to-date log of retained self-monitoring results and, upon request, provide such log for inspection to the staff of the Department (Department as defined on the COC). Retained self-monitoring results are public information and shall be promptly provided to the public upon written request from the public.

The permittee shall certify, in writing, to the Department, on or before January 10th of each year, that: 1) all retained self-monitoring requirements have been complied with and a year-to-date log has been maintained; and 2) the application on which this permit is based still accurately describes the discharge. With this annual certification, the permittee shall submit a summary of the previous year's monitoring data. The summary shall include maximum values for samples to be reported as daily maximums and/or monthly maximums and minimum values for any daily minimum samples.

Retained self-monitoring may be denied to a permittee by notification in writing from the Department. In such cases, the permittee shall submit self-monitoring data in accordance with Part II.C.2., above. Such a denial may be rescinded by the Department upon written notification to the permittee.

Reissuance or modification of this permit or reissuance or modification of an individual permittee's authorization to discharge shall not affect previous approval or denial for retained self-monitoring unless the Department provides notification in writing to the permittee.

#### 4. Additional Monitoring by Permittee

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 above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report. Such increased frequency shall also be indicated.

Monitoring required pursuant to Part 41 of the Michigan Act or Rule 35 of the Mobile Home Park Commission Act (Act 96 of the Public Acts of 1987) for assurance of proper facility operation shall be submitted as required by the Department.

## PART II

### Section C. Reporting Requirements

#### 5. Compliance Dates Notification

Within 14 days of every compliance date specified in this permit, the permittee shall submit a written notification to the Department indicating whether or not the particular requirement was accomplished. If the requirement was not accomplished, the notification shall include an explanation of the failure to accomplish the requirement, actions taken or planned by the permittee to correct the situation, and an estimate of when the requirement will be accomplished. If a written report is required to be submitted by a specified date and the permittee accomplishes this, a separate written notification is not required.

#### 6. Noncompliance Notification

Compliance with all applicable requirements set forth in the Federal Act, Parts 31 and 41 of the Michigan Act, and related regulations and rules is required. All instances of noncompliance shall be reported as follows:

- a. 24-hour reporting - Any noncompliance which may endanger health or the environment (including maximum daily concentration discharge limitation exceedances) shall be reported, verbally, within 24 hours from the time the permittee becomes aware of the noncompliance. A written submission shall also be provided within five (5) days.
- b. other reporting - The permittee shall report, in writing, all other instances of noncompliance not described in a. above at the time monitoring reports are submitted; or, in the case of retained self-monitoring, within five (5) days from the time the permittee becomes aware of the noncompliance.

Written reporting shall include: 1) a description of the discharge and cause of noncompliance; and 2) the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and the steps taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

#### 7. Spill Notification

The permittee shall immediately report any release of any polluting material which occurs to the surface waters or groundwaters of the state, unless the permittee has determined that the release is not in excess of the threshold reporting quantities specified in the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code), by calling the Department at the number indicated in the COC, or if the notice is provided after regular working hours call the Department's 24-hour Pollution Emergency Alerting System telephone number, 1-800-292-4706 (calls from out-of-state dial 1-517-373-7660).

Within ten (10) days of the release, the permittee shall submit to the Department a full written explanation as to the cause of the release, the discovery of the release, response (clean-up and/or recovery) measures taken, and preventative measures taken or a schedule for completion of measures to be taken to prevent reoccurrence of similar releases.

#### 8. Upset Noncompliance Notification

If a process "upset" (defined as 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) has occurred, the permittee who wishes to establish the affirmative defense of upset, shall notify the Department by telephone within 24-hours of becoming aware of such conditions; and within five (5) days, provide in writing, the following information:

- a. that an upset occurred and that the permittee can identify the specific cause(s) of the upset;
- b. that the permitted wastewater treatment facility was, at the time, being properly operated; and

## PART II

### Section C. Reporting Requirements

- c. that the permittee has specified and taken action on all responsible steps to minimize or correct any adverse impact in the environment resulting from noncompliance with this permit.

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

### 9. Bypass Prohibition and Notification

- a. Bypass Prohibition - Bypass is prohibited 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 backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass; and
  - 3) the permittee submitted notices as required under 9.b. or 9.c. below.
- b. Notice of Anticipated Bypass - If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least ten (10) days before the date of the bypass, and provide information about the anticipated bypass as required by the Department. The Department may approve an anticipated bypass, after considering its adverse effects, if it will meet the three (3) conditions listed in 9.a. above.
- c. Notice of Unanticipated Bypass - The permittee shall submit notice to the Department of an unanticipated bypass by calling the Department at the number indicated in the COC (if the notice is provided after regular working hours, use the following number: 1-800-292-4706) as soon as possible, but no later than 24 hours from the time the permittee becomes aware of the circumstances.
- d. Written Report of Bypass - A written submission shall be provided within five (5) working days of commencing any bypass to the Department, and at additional times as directed by the Department. The written submission shall contain a description of the bypass and its cause; the period of bypass, including exact dates and times, and if the bypass has not been corrected, the anticipated time it is expected to continue; steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass; and other information as required by the Department.
- e. Bypass Not Exceeding Limitations - 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 9.a., 9.b., 9.c., and 9.d., above. This provision does not relieve the permittee of any notification responsibilities under Part II.C.10. of this permit.
- f. Definitions
- 1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
  - 2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which 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.

## PART II

### Section C. Reporting Requirements

#### 10. Notification of Changes in Discharge

The permittee shall notify the Department, in writing, within 10 days of knowing, or having reason to believe, that any activity or change has occurred or will occur which would result in the discharge of: 1) detectable levels of chemicals on the current Michigan Critical Materials Register, priority pollutants or hazardous substances set forth in 40 CFR 122.21, Appendix D, or the Pollutants of Initial Focus in the Great Lakes Water Quality Initiative specified in 40 CFR 132.6, Table 6, which were not acknowledged in the application or listed in the application at less than detectable levels; 2) detectable levels of any other chemical not listed in the application or listed at less than detection, for which the application specifically requested information; or 3) any chemical at levels greater than five times the average level reported in the complete application (see the COC for the date(s) the complete application was submitted). Any other monitoring results obtained as a requirement of this permit shall be reported in accordance with the compliance schedules.

#### 11. Changes in Facility Operations

Any anticipated action or activity, including but not limited to facility expansion, production increases, or process modification, which will result in new or increased loadings of pollutants to the receiving waters must be reported to the Department by a) submission of an increased use request (application) and all information required under Rule 323.1098 (Antidegradation) of the Water Quality Standards or b) by notice if the following conditions are met: 1) the action or activity will not result in a change in the types of wastewater discharged or result in a greater quantity of wastewater than currently authorized by this permit; 2) the action or activity will not result in violations of the effluent limitations specified in this permit; 3) the action or activity is not prohibited by the requirements of Part II.C.12.; and 4) the action or activity will not require notification pursuant to Part II.C.10. Following such notice, the permit may be modified according to applicable laws and rules to specify and limit any pollutant not previously limited.

#### 12. Bioaccumulative Chemicals of Concern (BCC)

Consistent with the requirements of Rules 323.1098 and 323.1215 of the Michigan Administrative Code, the permittee is prohibited from undertaking any action that would result in a lowering of water quality from an increased loading of a BCC unless an increased use request and antidegradation demonstration have been submitted and approved by the Department.

#### 13. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharge emanates, the permittee shall submit to the Department 30 days prior to the actual transfer of ownership or control a written agreement between the current permittee and the new permittee containing: 1) the legal name and address of the new owner; 2) a specific date for the effective transfer of permit responsibility, coverage and liability; and 3) a certification of the continuity of or any changes in operations, wastewater discharge, or wastewater treatment.

If the new permittee is proposing changes in operations, wastewater discharge, or wastewater treatment, the Department may propose modification of this permit in accordance with applicable laws and rules.

## PART II

### Section D. Management Responsibilities

#### 1. Duty to Comply

All discharges authorized herein shall be consistent with the terms and conditions of this permit and the facility's COC (COC). The discharge of any pollutant identified in this permit and/or the facility's COC more frequently than or at a level in excess of that authorized shall constitute a violation of the permit.

It is the duty of the permittee to comply with all the terms and conditions of this permit and the facility's COC. Any noncompliance with the Effluent Limitations, Special Conditions, or terms of this permit or the facility's COC constitutes a violation of the Michigan Act and/or the Federal Act and constitutes grounds for enforcement action; for COC termination, revocation and reissuance, or modification; or denial of an application for permit or COC renewal.

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.

#### 2. Operator Certification

The permittee shall have the waste treatment facilities under direct supervision of an operator certified at the appropriate level for the facility certification by the Department, as required by Sections 3110 and 4104 of the Michigan Act. Permittees authorized to discharge storm water shall have the storm water treatment and/or control measures under direct supervision of a storm water operator certified by the Department, as required by Section 3110 of the Michigan Act.

#### 3. Facilities Operation

The permittee shall, at all times, properly operate and maintain all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures.

#### 4. Power Failures

In order to maintain compliance with the effluent limitations of this permit and prevent unauthorized discharges, the permittee shall either:

- a. provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit; or
- b. upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce or otherwise control production and/or all discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

#### 5. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the surface waters or groundwaters of the state resulting from noncompliance with any effluent limitation specified in this permit including, but not limited to, such accelerated or additional monitoring as necessary to determine the nature and impact of the discharge in noncompliance.

## PART II

### Section D. Management Responsibilities

#### 6. Containment Facilities

The permittee shall provide facilities for containment of any accidental losses of polluting materials in accordance with the requirements of the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code). For a Publicly Owned Treatment Work (POTW), these facilities shall be approved under Part 41 of the Michigan Act.

#### 7. Waste Treatment Residues

Residuals (i.e. solids, sludges, biosolids, filter backwash, scrubber water, ash, grit, or other pollutants or wastes) removed from or resulting from treatment or control of wastewaters, including those that are generated during treatment or left over after treatment or control has ceased, shall be disposed of in an environmentally compatible manner and according to applicable laws and rules. These laws may include, but are not limited to, the Michigan Act, Part 31 for protection of water resources, Part 55 for air pollution control, Part 111 for hazardous waste management, Part 115 for solid waste management, Part 121 for liquid industrial wastes, Part 301 for protection of inland lakes and streams, and Part 303 for wetlands protection. Such disposal shall not result in any unlawful pollution of the air, surface waters or groundwaters of the state.

#### 8. Right of Entry

The permittee shall allow the Department, any agent appointed by the Department or the Regional Administrator, upon the presentation of credentials:

- a. to enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect process facilities, treatment works, monitoring methods and equipment regulated or required under this permit; and to sample any discharge of pollutants.

#### 9. Availability of Reports

Except for data determined to be confidential under Section 308 of the Federal Act and Rule 2128 (Rule 323.2128 of the Michigan Administrative Code), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department and the Regional Administrator. As required by the Federal Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Federal Act and Sections 3112, 3115, 4106 and 4110 of the Michigan Act.

## PART II

### Section E. Activities Not Authorized by This Permit

#### 1. Discharge to the Groundwaters

This permit does not authorize any discharge to the groundwaters. Such discharge may be authorized by a groundwater discharge permit issued pursuant to the Michigan Act.

#### 2. Facility Construction

This permit does not authorize or approve the construction or modification of any physical structures or facilities. Approval for such construction for a POTW must be by permit issued under Part 41 of the Michigan Act. Approval for such construction for a mobile home park, campground or marina shall be from the Water Bureau, Michigan Department of Environmental Quality. Approval for such construction for a hospital, nursing home or extended care facility shall be from the Division of Health Facilities and Services, Michigan Department of Consumer and Industry Services upon request.

#### 3. Civil and Criminal Liability

Except as provided in permit conditions on "Bypass" (Part II.C.9. pursuant to 40 CFR 122.41(m)), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond the permittee's control, such as accidents, equipment breakdowns, or labor disputes.

#### 4. 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 may be subject under Section 311 of the Federal Act except as are exempted by federal regulations.

#### 5. State Laws

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 established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Federal Act.

#### 6. 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 violation of any federal, state or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other Department of Environmental Quality permits, or approvals from other units of government as may be required by law.