

## NPDES Permit No. ILG582

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
1021 North Grand East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Expiration Date:

Issue Date:

Effective Date:

### **New General (NPDES) Permit for Sewage Treatment Systems**

#### **Coverage under this Permit**

This Permit covers all areas of the State of Illinois discharging to General Use or Secondary Contact Waters.

#### **Eligibility**

This Permit may cover any existing publicly owned treatment facility that consists of a domestic lagoon system with a single pipe discharge, without combined sewer overflows and whose untreated waste load is greater than 2500 population equivalents but not greater than 5000 population equivalents and has obtained a lagoon exemption from the Illinois Environmental Protection Agency (IEPA) under the provisions of 35 Ill. Adm. Code Part 373, or whose effluent has a dilution ratio (the ratio of the seven-day once in ten year low flow of the receiving stream or the lowest flow of the receiving stream when effluent discharge is expected to occur, whichever is greater, to the average flow of the treatment works for the design year) no less than five to one, and has obtained a year-round disinfection exemption under 35 Ill. Adm. Code Section 378.203, and currently has an individual NPDES Permit at the same design flow. Applicants seeking to discharge from a new facility or seeking an increase in permitted loadings or flows to their treatment facility shall apply for an individual NPDES Permit and are not eligible for authorization to discharge under this General Permit until the new loadings or flows have first been permitted under an individual NPDES Permit. Applicants deemed by the IEPA as needing additional permit requirements, not included in this General NPDES Permit, shall apply for an individual NPDES Permit and are not eligible for authorization to discharge under this General Permit. Applicants deemed by the IEPA as needing additional permit requirements, not included in this General NPDES Permit, are required to apply for an individual NPDES Permit and are not eligible for authorization to discharge under this General Permit. Applicants that are presently authorized to discharge pursuant to an individual permit may be eligible for coverage by this general permit only if they are presently in compliance with their individual permit.

**Discharge Number and Name:** 001 STP Outfall

**Receiving Waters:** General Use and Secondary Contact Waters of the State

To receive authorization to discharge under this General Permit, a facility owner or operator must submit the proper application forms to the IEPA. Authorization, if granted, will be by letter and will include a copy of this Permit.

Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

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**Effluent Limitations, Monitoring, and Reporting**

From the effective date of this Permit until the expiration date, the effluent of the above discharge shall be monitored and limited at all times as follows:

Case A: The effluent from the facility has a dilution ratio of no less than five to one.

Parameter	LOAD LIMITS lbs/day		CONCENTRATION		Sample Frequency	Sample Type
	Monthly Average	Weekly Average	Monthly Average	Weekly Average		
<b>Flow (MGD)</b>					See Below	
<b>CBOD<sub>5</sub>**</b>	25 x 8.34 x DAF (in MGD)	40 x 8.34 x DAF (in MGD)	25	40	1 per month	Grab
<b>Suspended Solids</b>	37 x 8.34 x DAF (in MGD)	45 x 8.34 x DAF (in MGD)	37	45	1 per month	Grab
<b>pH</b>	Shall be in the Range of 6 to 9 Standard Units				1 per month	Grab
<b>Ammonia Nitrogen</b>	Monitor Only				1 per month	Grab
<b>Fecal Coliform***</b>	Monitor Only				1 per month	Grab

\*For flows greater than DAF, load limits shall be calculated based on the DMF instead of DAF. DAF and DMF are shown in the letter authorizing discharge under this General Permit.

\*\*Carbonaceous BOD<sub>5</sub> (CBOD<sub>5</sub>) testing procedures shall be in accordance with 40 CFR 136.

\*\*\*Fecal coliform monitoring shall be conducted May through October with sample results reported as a daily maximum value.

Flows shall be reported as a monthly average and daily maximum on the DMRs. pH shall be reported as a minimum and a maximum.

**Influent Monitoring and Reporting**

Influent BOD<sub>5</sub> and Suspended Solids shall be sampled at least once per month as a composite sample. Influent and effluent measurement for flow shall be continuous if hardware allows, otherwise it shall be a single reading once a week. Influent flow measurement, BOD<sub>5</sub> and Suspended Solids sampling shall be taken at a point representative of the influent. Influent BOD<sub>5</sub> and Suspended Solids shall be reported on the Discharge Monitoring Reports (DMRs) as monthly average concentrations.

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Case B: The facility has obtained a lagoon exemption pursuant to 35 Ill. Adm. Code Part 373 or the Agency has designated that these effluent limitations are applicable due to receiving waters conditions.

Parameter	LOAD LIMITS lbs/day DAF (DMF)*		CONCENTRATION LIMITS MG/L		Sample Frequency	Sample Type
	Monthly Average	Weekly Average	Monthly Average	Weekly Average		
<b>Flow (MGD)</b>					See Below	
<b>CBOD<sub>5</sub>**</b>	25 x 8.34 x DAF (in MGD)	40 x 8.34 x DAF (in MGD)	25	40	1 per month	Grab
<b>Suspended Solids</b>	37 x 8.34 x DAF (in MGD)	45 x 8.34 x DAF (in MGD)	37	45	1 per month	Grab
<b>pH</b>	Shall be in the Range of 6 to 9 Standard Units				1 per month	Grab
<b>Dissolved Oxygen</b>	Shall not be less than 6 mg/L				1 per month	Grab
<b>Ammonia Nitrogen</b>	Monitor Only				1 per month	Grab
<b>Fecal Coliform***</b>	Monitor Only				1 per month	Grab

\*For flows greater than DAF, load limits shall be calculated based on the DMF instead of DAF. DAF and DMF are shown in the letter authorizing discharge under this General Permit.

\*\*Carbonaceous BOD<sub>5</sub> (CBOD<sub>5</sub>) testing procedures shall be in accordance with 40 CFR 136.

\*\*\*Fecal coliform monitoring shall be conducted May through October with sample results reported as a daily maximum value. Flows shall be reported as a monthly average and daily maximum on the DMRs. pH shall be reported as a minimum and a maximum.

#### Influent Monitoring and Reporting

Influent BOD<sub>5</sub> and Suspended Solids shall be sampled at least once per month as a composite sample. Influent and effluent measurement for flow shall be continuous if hardware allows, otherwise it shall be a single reading once a week. Influent flow measurement, BOD<sub>5</sub> and Suspended Solids sampling shall be taken at a point representative of the influent. Influent BOD<sub>5</sub> and Suspended Solids shall be reported on the Discharge Monitoring Reports (DMRs) as monthly average concentrations.

**NPDES Permit No. ILG582****Special Conditions**

**SPECIAL CONDITION 1:** The use or operation of this facility shall be by or under the supervision of a Certified Class 4 operator.

**SPECIAL CONDITION 2:** The IEPA may request in writing submittal of operational information in a specified form and at a required frequency at any time during the effective period of this Permit. The IEPA may require additional monitoring and reporting by the permittee in either the general permit coverage letter or by separate letter.

**SPECIAL CONDITION 3:** The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code Part 302.

**SPECIAL CONDITION 4:** Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

**SPECIAL CONDITION 5:** BOD<sub>5</sub> (85% removal required): The arithmetic mean of the values for effluent samples collected in a period of one calendar month shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same time during the same period, except during those periods when the influent is diluted because of high flows if the tributary sewer system is combined. The percent removal need not be reported to the IEPA on DMR's but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent CBOD<sub>5</sub> concentration to determine the effluent BOD<sub>5</sub> concentration.

**SPECIAL CONDITION 6:** For Discharge No. 001, any use of chlorine to control slime growths, odors or as an operational control, etc. shall not exceed the limit of 0.05 mg/L (daily maximum) total residual chlorine in the effluent. Sampling is required on a daily grab basis during the chlorination process. Reporting shall be submitted on the (DMR's) on a monthly basis.

**SPECIAL CONDITION 7:** During January of each year the Permittee shall submit annual fiscal data regarding sewerage system operations to the IEPA/Bureau of Water/Compliance Assurance Section. The Permittee may use any fiscal year period provided the period ends within twelve (12) months of the submission date.

Submission shall be on forms provided by IEPA titled "Fiscal Report Form For NPDES Permittees".

**SPECIAL CONDITION 8:** The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/edmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using eDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
Attention: Compliance Assurance Section, Mail Code # 19

**SPECIAL CONDITION 9:** The provisions of 40 CFR 122.41 (m) and (n) are applicable and are hereby incorporated by reference.

**SPECIAL CONDITION 10:** Requiring an individual NPDES Permit or an alternative General Permit

- a. The IEPA may require any person authorized by this Permit to apply for and obtain either an individual NPDES Permit or an alternative NPDES General Permit. Any interested person may petition the IEPA to take action under this paragraph. The IEPA may require any owner or operator authorized to discharge under this Permit to apply for an individual NPDES Permit only if the owner or operator has been notified in writing that a permit application is required. This notice shall 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. The IEPA may grant additional time to submit the application upon request of the applicant. If an owner or operator fails to submit an individual NPDES Permit application required by the IEPA under this paragraph in a timely manner, then the authorization to discharge under this General Permit is automatically terminated at the end of the day specified for application submittal. In addition, the Agency may require an individual NPDES permit based on:

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1. Information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Admin. Code Section 302.105 (d) (6).
  2. Whether the receiving waters are identified as impaired pursuant to the Agency's 303(d) listing and the facility discharge is a potential contributing source of any parameter identified as a cause of that impairment
  3. Additional effluent limitations or conditions are required for the permittees discharge
- b. Any owner or operator authorized to discharge under this General Permit may request to be excluded from the coverage of this General Permit by applying for an individual NPDES Permit. The owner or operator shall submit an individual application with reasons supporting the request, in accordance with the requirements of 40 CFR 122.21, to the IEPA. If the reasons cited by the owner or operator are adequate to support the request, the request shall be granted by issuance of any individual NPDES Permit or an alternative General Permit.
- c. When an individual NPDES Permit is issued to an owner or operator otherwise subject to this Permit, or the owner or operator is approved for coverage under an alternative NPDES General Permit, the authorization to discharge under this General Permit is automatically terminated on the issue date of the individual NPDES Permit or the date of approval for coverage under the alternative General Permit, whichever the case may be. When an individual NPDES Permit is denied to an owner or operator otherwise subject to this Permit, or the owner or operator is denied for coverage under an alternative NPDES General Permit, the authorization to discharge under this General Permit remains in effect, unless otherwise specified by the IEPA.

**SPECIAL CONDITION 11:**

- a) Authorization: Owners or operators must submit either a Notice of Intent (NOI) in accordance with the requirements of this Permit or an application for an individual NPDES Permit to be authorized to discharge under this General Permit. Authorization, if granted, will be by letter and include a copy of this Permit. Upon review of an NOI, the IEPA may deny coverage under this Permit and require submittal of an application for an individual NPDES Permit.

- b) Automatic Continuation of Expired General Permit:

Except as provided in subparagraph (c) below, when this General Permit expires, the conditions of this permit shall be automatically administratively continued until the earliest of the following:

- 1) 150 days after the new General Permit is issued;
- 2) The Permittee submits a Notice of Termination and that notice is approved by the IEPA.
- 3) The Permittee is authorized for coverage under an individual permit or the renewed or reissued General Permit
- 4) The Permittee's application for an individual NPDES permit for a discharge or Notice of Intent for coverage under the renewed or reissued General Permit, is denied by the IEPA.
- 5) IEPA issues a formal permit decision not to renew or reissue this General Permit. This General Permit shall be automatically administratively continued after such formal permit decision.

- c) Duty to reapply

- 1) If permittee wishes to continue an activity regulated by this General Permit, the permittee must apply for a new permit before the expiration of the administratively continued period specified in subparagraph (b)(1) above.
- 2) If the permittee reapplies in accordance with the provisions of subparagraph (c)(1) above, the conditions of this General Permit shall continue in full force and effect under the provisions of 5 ILCS 100/10-65 until the IEPA makes a final determination on the application or Notice of Intent.
- 3) Standard Condition 2 of Attachment H is not applicable to this general permit.

- d) Contents of Notice of Intent: The Notice of Intent shall be submitted to IEPA on proper application forms and include at a minimum the following information:

1. Name, mailing address, and location of the facility for which the notification is submitted;
2. The operator's name, address, telephone number, ownership status and status as Federal, State, private, public or other entity;
3. An application form for an individual NPDES Permit may be used in place of the NOI.

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### Special Conditions

- e) Change in Contact Person, Ownership or Operators: In the event that the contact person for this facility is changed or in the event of a change in ownership or operator for a facility authorized to discharge under this Permit, an updated NOI shall be filed with the IEPA within thirty (30) days of such change. Upon review of an NOI, the IEPA may deny coverage under this Permit or require any person otherwise authorized to discharge under this Permit to apply for and obtain either an individual NPDES Permit or to obtain authorization to discharge under an alternative General NPDES Permit.
- f) Treatment Plant Changes: In the event that a change is made that results in a modification of treatment plant design loadings or flows or the abandoning or undertaking of new unit processes, an application for an individual NPDES permit along with the proposed treatment plant modifications, shall be submitted to the IEPA. The application and the proposed treatment plant modifications shall be submitted to the IEPA within the time frame specified by 35 Ill. Adm. Code Section 309.154. If no permit is required pursuant to 35 Ill. Adm. Code Section 309.154, the application and the proposed treatment plant modifications shall be submitted to the IEPA as soon as is practicable. Upon review of an application, the IEPA may deny coverage under this General Permit and initiate procedures for the issuance of an individual NPDES permit, or may make a determination that coverage under this General NPDES permit is still appropriate. In cases where the design flow increases or an anti-degradation analysis is required pursuant to 35 Ill. Adm. Code Section 302.105, the IEPA will proceed with the issuance of an individual NPDES permit and the authorization to discharge under this General NPDES permit will terminate upon the effective date of the individual NPDES permit.

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