

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
GENERAL WASTEWATER DISCHARGE PERMIT FOR MUNICIPAL/DOMESTIC LAGOONS  
GENERAL PERMIT NO. OKG58**

**GENERAL PROVISIONS**

As provided by the Oklahoma Pollutant Discharge Elimination System (OPDES) Act, Title 27A O.S. §2-6-201 *et seq.*, the Oklahoma Uniform Environmental Permitting Act, Title 27A O.S. §2-14-101 *et seq.*, and the Rules of the Department of Environmental Quality (DEQ) OAC 252:004 and OAC 252:606, and in compliance with the Federal Clean Water Act, 33 U.S.C. 1251 *et seq.*, and the National Pollutant Discharge Elimination System (NPDES) Regulations (40 CFR Parts 122, 124, and 403), owners of municipal/domestic discharging facultative lagoons as their sole source of wastewater treatment will be authorized to operate such facilities within the boundaries of the state of Oklahoma in accordance with requirements and conditions set forth in Parts I, II, III and IV, hereof.

To qualify for authorization under this General Wastewater Discharge Permit for Municipal/Domestic Lagoons (permit), the wastewater treatment facility must be included in the current Oklahoma Water Quality Management Plan (208 Plan), and the wasteload allocation for the facility, as specified in the 208 Plan must be year-round 'secondary' or average monthly concentration of 30 mg/l Biochemical Oxygen Demand - 5 day (BOD<sub>5</sub>) and 90 mg/l Total Suspended Solids (TSS). Additionally, to qualify for authorization under this permit, the facility shall utilize discharging facultative lagoons as its sole source of wastewater treatment; the lagoon construction must meet requirements set forth in OAC 252:656-11; the design wastewater discharge rate shall be less than one million gallons per day (MGD); the facility shall not receive effluent from significant industrial user(s), as defined at 40 CFR Part 403.3(v); the facility shall not receive effluent from categorical industrial users (CIUs) for which pretreatment standards have been promulgated by EPA at 40 CFR Parts 405-499; the facility shall not be under consent order (CO) for upgrade of treatment plant; and the facility shall not be subject to additional effluent limitations as a result of TMDL requirements, with the exception of pathogens (fecal coliform, *E. coli* or *enterococci*) which may be authorized under this permit. Such authorization shall be contingent on the lagoons being permitted and operated in compliance with OAC 252:656-11-2(b) and the discharge meeting *E. coli* limits established in this permit solely through detention time. Should chlorination or other disinfection prove necessary to meet *E. coli* limits, the facility must apply for an individual discharge permit. Wastewater treatment facilities authorized pursuant to this permit shall be subject to basic pretreatment requirements found at 40 CFR Part 403. An existing facility seeking to change its point of discharge or increase the permitted design flow from its previously issued general permit authorization is also excluded.

This permit shall not cover those facilities that discharge to the following waters: Outstanding Resource Waters and/or Scenic Rivers; High Quality Waters; Sensitive Public and Private Water Supplies; Appendix 'B' Waters [OAC 785:45-5-25(c) (2)] as defined in Oklahoma Water Quality Standards; and receiving streams included in Oklahoma's 303(d) List of impaired waterbodies caused by Dissolved Oxygen (Cause Code 322), phosphorus (Cause Code 462) or ammonia (Cause Code 91) for which a Total Maximum Daily Load (TMDL) has not been performed, or the result of the TMDL indicates that discharge limits more stringent than secondary treatment are required. New discharges to Culturally Significant Waters listed in Appendix A of OAC 785:45 shall not be covered under this permit. New discharges to waters identified as sensitive by the United States Fish and Wildlife Service (USFWS) for threatened and endangered species and discharges to lakes that meet the requirements of OAC 785:45-1-2 are also excluded from this permit.

Each facility is required to obtain an Authorization to Discharge (authorization) from the Executive Director of the Department of Environmental Quality (DEQ) or his/her designee to discharge treated municipal wastewater from facultative lagoons. Owners of facilities located within the boundaries of the state of

Oklahoma must submit a Tier I application on DEQ Form 2MG58 to the DEQ requesting that they be authorized to discharge wastewater under this permit and receive an authorization prior to commencing the discharge. Owners within the scope of this permit who fail to make a written request to the DEQ are not authorized to discharge wastewater under this permit.

Facilities that are currently permitted by DEQ through individual wastewater discharge permits may apply for coverage under this permit no later than 180 days prior to the expiration of their current individual permits as long as the limits contained in their individual permits are the same or less stringent than those established in this permit, or they may elect to continue coverage under their individual permits. Existing facilities that are not currently permitted by DEQ through individual wastewater discharge permits shall apply for coverage under this permit within 90 days of the effective date of the permit. New facilities shall apply for coverage under this permit at least 60 days prior to commencing any of the activities regulated by this permit.

This General Permit OKG58 supersedes the General Permit OKG58 that was issued on September 28, 2018 and expires at midnight on July 31, 2021.

This permit shall become effective August 1, 2021.

This permit and any authorizations issued under it shall expire at midnight on July 31, 2026.

This is to certify that the wastewater discharges set forth in this permit comply with the requirements of the Oklahoma's Water Quality Standards, as amended, provided the permittees do not exceed the effluent limitations set forth in this permit.

Issued this 18<sup>th</sup> day of July, 2021.

For Oklahoma Department of Environmental Quality



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Municipal Discharge and Stormwater Permit Section  
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**PART I. EFFLUENT LIMITATIONS, MONITORING, AND OTHER REQUIREMENTS****A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning the effective date and lasting through the expiration date of the permit, permittees are authorized to discharge treated municipal wastewater from facultative lagoons through outfalls(s) described in the authorizations and in accordance with the following limitations:

Effluent Characteristic		Discharge Limitations			
		Mass Loading (lbs/day)	Concentration (mg/l unless otherwise specified)		
			Monthly Average	Monthly Average	Weekly Average
<b>Flow (MGD)</b> [STORET: 50050]	Year round	N/A	Report	---	Report
<b>Biochemical Oxygen Demand - 5 Day (BOD<sub>5</sub>)</b> [STORET: 00310]	Year round	(1)	30.0	45.0	---
<b>Total Suspended Solids (TSS)</b> [STORET: 00530]	Year round	(1)	90.0	135.0	---
<b><i>E. coli</i> (MPN/100 ml) (2)</b> [STORET: 51040]	May - Sep	---	126 (3)	---	406
	Oct - Apr	---	630 (3)	---	2030
<b>pH (standard unit)</b> [STORET: 00400]	Year round	---	6.5 – 9.0		

(1) Mass loading limitations are calculated using the actual design flow of the facility or the design flow specified in the facility's 208 Plan, whichever is less; and the following equation:

$$\text{Mass loading limit (lbs/day)} = \text{monthly average concentration limit (mg/l)} \times \text{design flow (mgd)} \times 8.34$$

(2) Bacteriological limitations apply only if the facility discharges to a receiving waterbody included in the Oklahoma's 303(d) List of bacteria impaired waterbodies, or for which a TMDL has been completed for pathogens (*E. coli* or *enterococci*).

(3) Monthly data for *E. coli* is reported as geometric mean of all samples in that month.

**OTHER YEAR ROUND REQUIREMENTS**

- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- There shall be no discharge of any visible sheen of oil or globules of oil or grease.
- Samples taken in compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit.
- All monitoring and reporting requirements shall also be in compliance with Part III of this permit.

**B. MONITORING REQUIREMENTS AND SAMPLE TYPES**

Frequency of testing and sample type for each individual authorization will be based on the actual design flow and requirements set forth in OAC 252:606 Appendix A, Table 1-1, which is reproduced below as it pertains to this permit.

**Effluent Monitoring Requirements**

Effluent Characteristic	Design Capacity (mgd)						
	0 - < 0.1		0.1 - < 0.5		0.5 - < 1.0		
	Frequency	Sample Type	Frequency	Sample Type	Frequency	Sample Type	
Flow	2/week	Instantaneous	5/week	Instantaneous	7/week	Totalized	
BOD <sub>5</sub>	1/month	Grab	2/month	Grab	3/month	3-hour composite	
TSS	1/month	Grab	2/month	Grab	3/month	3-hour composite	
<i>E. coli</i>	May - Sep	2/week	Grab	2/week	Grab	2/week	Grab
	Oct - Apr	1/week	Grab	1/week	Grab	1/week	Grab
pH	2/week	Grab	2/week	Grab	2/week	Grab	

**C. SANITARY SEWER OVERFLOWS**

Any bypass in the collection system [sanitary sewer overflow (SSO)] shall be reported in accordance with Part III.B.6 of this permit.

**D. REPORTING OF MONITORING RESULTS**

Monitoring results shall be reported in accordance with the provisions of Part III.B.5 of the permit. Monitoring results obtained during the previous month shall be summarized and electronically reported on an electronic Discharge Monitoring Report (eDMR) form due to the Oklahoma Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section no later than the 15<sup>th</sup> day of the month following the completed monthly test. If no discharge occurs during the reporting period, an eDMR form stating "No Discharge" shall be electronically submitted according to the above schedule. Instructions on how to register as a Preparer or Signatory for eDMRs, as well as how to prepare and submit eDMRs, can be found on DEQ's website at <https://www.deq.ok.gov/water-quality-division/electronic-reporting/>. Assistance is also available by contacting DEQ at (405) 702-8100 or email [deqreporting@deq.ok.gov](mailto:deqreporting@deq.ok.gov).

**PART II. OTHER PERMIT CONDITIONS AND REQUIREMENTS****A. APPLICABLE LAWS AND RULES**

The DEQ Rules, as amended, are applicable to and are incorporated by reference into this permit and any authorizations issued under it. The permittee is hereby given notice that this permit is in all respects subject to compliance with and actions under any and all applicable and relevant terms, conditions, provisions and requirements and all amendments of the laws of the state of Oklahoma, the Department of Environmental Quality Rules, and the Oklahoma's Water Quality Standards. The absence of any express reference within this permit to any particular statutory requirement, rule(s), regulation(s), or standard(s) shall in no respect be deemed or construed to exempt or preclude the application of such requirement, rule(s), regulation(s), or standard(s) to this permit or the permittee.

- B.** This permit does not convey any exclusive privileges or authorize any injury to property or invasion of right or any infringement of federal, state, or local laws or regulations, nor does it obviate the requirement to obtain permission from any landowners whose property will be affected by this permit.

**C. INDIVIDUAL PERMITS**

1. Any permittee authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. The permittee shall submit the appropriate OPDES application forms together with the reasons supporting the request to the Water Quality Division of DEQ.
  2. When an individual OPDES permit is issued to a permittee otherwise subject to this permit, the applicability of this permit to that owner or permittee is automatically terminated on the effective date of the individual permit.
  3. A facility excluded from coverage under this permit solely because it already has an individual permit may request that its individual permit be revoked, and that it be covered by this permit. Upon revocation of the individual permit, this permit shall apply to the facility.
  4. DEQ reserves the right to require any facility authorized under or applying to be authorized under this permit to instead obtain an individual permit.
- D.** Unless otherwise specified in this permit, monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed at 40 CFR Part 136 in effect on the effective date of this permit. Amendments to 40 CFR Part 136 promulgated and incorporated by reference into OAC 252:606 after the effective date this permit shall supersede these requirements as applicable.

**E. CONTRIBUTING INDUSTRIES AND PRETREATMENT REQUIREMENTS**

1. The following pollutants shall not be introduced into a Publicly Owned Treatment Works (POTW) facility, defined in 40 CFR Part 403.3(q) "as any devices and systems used in storage, treatment, recycling, and reclamation of municipal sewage and industrial wastes of a liquid nature. It also includes sewers, pipes, and other conveyances only if they convey wastewater to a POTW facility. The term also means the municipality as defined in Section 502(4) of the Federal Clean Water Act, which has jurisdiction over the Indirect Discharges to and from such treatment works."
  - a. Pollutants which create a fire or explosion hazard in the POTW facility, including, but not limited to, waste streams with a closed cup flashpoint of less than 60°C (140°F) using the test methods specified in 40 CFR Part 261.21;

- b. Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the works are specifically designed to accommodate such discharges;
  - c. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW, resulting in interference;
  - d. Any pollutant, including oxygen demanding pollutants (e.g., BOD), released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW;
  - e. Heat in amounts which will inhibit biological activity in the POTW resulting in interference but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds 40°C (104°F) unless the Approval Authority, upon request of the POTW, approves alternate temperature limits;
  - f. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;
  - g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; and
  - h. Any trucked or hauled pollutants, except at discharge points designated by the POTW.
2. The permittee shall require any indirect discharger to the treatment works to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Federal Clean Water Act, including any requirements established under 40 CFR Part 403.
  3. The permittee shall provide adequate notice of the following:
    - a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Sections 301 and 306 of the Federal Clean Water Act if it were directly discharging those pollutants; and
    - b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of Authorization under this permit; and

Any notice shall include information on (i) the quality and quantity of effluent to be introduced into the treatment works, and (ii) any anticipated impact of the change on the quality or quantity of effluent to be discharged from the POTW.

#### **F. BIOSOLIDS/SEWAGE SLUDGE REQUIREMENTS**

1. Biosolids/sewage sludge shall not be removed from this facility nor shall the facility be closed until a Biosolids/Sludge Management Plan, Sludge Disposition Plan, or Closure Plan, if applicable, has received written approval by the Oklahoma Department of Environmental Quality (DEQ). Such a plan shall be submitted to DEQ in approvable form, at least 120 days prior to the earliest planned date of sludge removal or closure of the facility. At a minimum, the Biosolids/Sludge Management Plan or the Sludge Disposition Plan must demonstrate those biosolids/sewage sludge disposal practices that comply with the federal regulations for landfills, sludge, and solid waste disposal established at 40 CFR Parts 257 and 503 and the DEQ rules governing biosolids/sludge management (OAC 252:515 and OAC 252:606). All biosolids/sewage sludge must be handled and disposed of in accordance with all applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present.

2. If an applicable "acceptable management practice" or numerical limitation for pollutants in biosolids/sewage sludge promulgated at Section 405(d)(2) of the Federal Clean Water Act is more stringent than the biosolids/sewage sludge pollutant limit or acceptable management practice in this permit; or controls a pollutant not listed in this permit, this permit may be modified or revoked and reissued to conform to the requirements promulgated at Section 405(d)(2).
3. The permittee shall also comply with all applicable biosolids/sewage sludge requirements in Part IV of this permit.
4. The permittee is required to maintain all records relevant to biosolids/sewage sludge disposal for the life of the authorization issued under this permit. These records shall be made available to DEQ upon request.
5. The permittee shall notify DEQ 120 days prior to implementing any changes to the approved Biosolids/Sludge Management Plan or Sludge Disposition Plan.

#### **G. CONSTRUCTION AND OPERATION STANDARDS**

In all other respects, facilities covered under this permit shall be subject to standard conditions for construction and operation of wastewater treatment contained in OAC 252:656, Subchapter 11, and OAC 252:606.

#### **H. RE-OPENER CLAUSE**

This permit may be re-opened for modification or revocation and reissuance to require additional monitoring and/or effluent limitations where actual or potential exceedances of state water quality criteria are determined to be the result of the permittee's discharge to the receiving water, or a revised Total Maximum Daily Load is established for the receiving water, or when required as technology advances. Modification or revocation and reissuance of the permit shall follow regulations listed at 40 CFR Part 124.5.

#### **I. PARTS III AND IV OF THE PERMIT**

Part III (Standard Conditions for OPDES Municipal/Domestic Permit) and Part IV (Biosolids Requirements) of the permit are available at <http://www.deq.state.ok.us/WODNew/opdes/index.html>, or a hard copy is available from the Central Records Section upon request. Contact the Central Records Section, (405) 702-1188, of Oklahoma Department of Environmental Quality at P.O. Box 1677, 707 N. Robinson, 2<sup>nd</sup> Floor, Oklahoma City, OK 73101-1677.

