

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
GENERAL WASTEWATER DISCHARGE PERMIT FOR
HYDROSTATIC TEST PROJECTS
SUBJECT TO DEQ JURISDICTION
GENERAL PERMIT NO. OKG270000**

GENERAL PROVISIONS

As provided by Title 27A O.S. §2-6-201 *et seq.*, as amended, and the Rules of the Oklahoma Department of Environmental Quality (DEQ), operators of hydrostatic test projects on equipment, piping and vessels subject to DEQ jurisdiction will be authorized to discharge hydrostatic test wastewater within the boundaries of the State of Oklahoma in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This General Permit Number OKG270000 (Permit) authorizes discharges resulting from the hydrostatic testing of equipment, piping and vessels associated with processing at or located in natural gas liquid extraction plants, natural gas processing plants, refineries, petrochemical manufacturing plants, gas compressor stations, or other facilities subject to DEQ jurisdiction: (1) new and existing natural gas equipment, piping and vessels; (2) new and existing oil, petroleum, petroleum product or petrochemical equipment, piping and vessels; and (3) new equipment, piping and vessels of other facilities subject to DEQ jurisdiction.

This Permit does not authorize discharges resulting from the hydrostatic testing of existing equipment, piping and vessels associated with processing and storage of any chemicals and raw materials other than natural gas, oil, petroleum, and petrochemical products. Such discharges will require individual discharge permits. This Permit also does not authorize discharges resulting from the hydrostatic testing of natural gas, oil, petroleum or petroleum product pipelines located outside natural gas liquid extraction plants, natural gas processing plants, gas compressor stations, refineries, petrochemical manufacturing plants or other facilities subject to DEQ jurisdiction. Such pipelines are subject to the jurisdiction of the Oklahoma Corporation Commission (OCC); discharge permitting authority remains with U.S. Environmental Protection Agency.

Also, this General Permit shall not cover those facilities discharging greater than one million gallons per day (1 MGD) of process wastewater or discharging to the following waters: Outstanding Resource Waters; High Quality Waters; Sensitive Public and Private Water Supplies. A list of these waters can be found at OAC 785:45-5. Additional waters that cannot be discharged into, include: Appendix 'B' Waters [OAC 785:45-5-25(c) (2)]; and receiving streams included in Oklahoma's '303(d) List' of impaired water bodies where the impairment is caused by "Oil and Grease" (Cause code 1900), "Total Suspended Solids" (Cause Code 2100), Turbidity (Cause Code 2500) or "pH" (Cause Code 1000) 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 45 mg/l for Total Suspended Solids (TSS) or pH more stringent than 6.5-9.0 standard units are required. In addition, this General Permit will not cover those facilities located on Indian Country Lands or that require more stringent stormwater controls than allowed by this General Permit.

Each discharging facility within the scope of this Permit will require an Authorization to Discharge Wastewater (Authorization) obtained from the Executive Director of the DEQ. Owners or operators of hydrostatic test projects within the scope of this Permit located within the boundaries of the State of Oklahoma must make a written request to the DEQ that they be authorized to discharge under this General Wastewater Disposal Permit (Permit) and receive an Authorization, prior to commencing such discharge. Owners or operators 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.

Hydrostatic test projects that are currently permitted by the Oklahoma Department of Environmental Quality (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, or they may elect to continue coverage under their individual permits. Existing hydrostatic test projects that are not currently permitted by the DEQ through individual wastewater discharge permits (including those that are currently permitted through State general permit authorizations) shall apply for coverage under this Permit within 90 days of the effective date of this Permit. New hydrostatic test projects shall apply for coverage under this General Permit at least 30 days prior to commencing discharge.

The written request for an Authorization shall include the legal name and address of the owner or operator; the general project location; the legal description of the project location; the legal description, latitude and longitude of the proposed discharge point(s); the name of the receiving water into which the discharge will be made; the anticipated date of the discharge; the estimated duration of the discharge; the estimated volume (in gallons) being discharged; the type of wastewater treatment before discharge (e.g., filtration, sedimentation, etc.); the source of the fill water used in the test, the type and size of the equipment, piping, or vessels to be tested; whether the equipment, piping and/or vessels being tested are new or existing and if they are existing, the raw material or product contained in the equipment, piping and/or vessels prior to the test; along with any other information specified in the application form.

At no time shall the effluent cause a violation of Oklahoma's Water Quality Standards (OWQS) in the receiving stream.

The permittee shall comply with all provisions of this Permit and any Authorization issued pursuant to it.

Issuance of this Permit in no way or in any respect affects the permittee's civil or criminal responsibility regarding disposal of wastewater, except with respect to the permittee's legal responsibility under 27A O.S. §2-6-201 *et seq.*, as amended, and DEQ Rules to obtain an Authorization under this Permit.

This Permit replaces and/or supersedes State General Permit No. OKG270000 that became effective October 1st, 1999 and was amended on September 1, 2001.

This Permit shall become effective on March 23, 2005.

This Permit and any Authorizations issued under it shall expire at midnight, on March 22, 2010.

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

Issued this 23rd day of March, 2005.

For Oklahoma Department of Environmental Quality

Edward Dhrberg, P.E., Acting Manager
Industrial Permits Section
Water Quality Division

Jon L. Craig, Director
Water Quality Division

PART I
EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SECTION A: EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from all outfalls as described in the Authorization. Wastewater discharges regulated by this Permit consist of discharges resulting from the hydrostatic testing of the following types of equipment, piping and vessels associated with processing at or located in natural gas liquid extraction plants, natural gas processing plants, gas compressor stations, refineries, petrochemical manufacturing plants, or other facilities subject to DEQ jurisdiction: (1) new and existing natural gas equipment, piping and vessels; (2) new and existing oil, petroleum, petroleum product or petrochemical equipment, piping and vessels; and (3) new equipment, piping and vessels of other facilities subject to DEQ jurisdiction.

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

PARAMETERS	DISCHARGE LIMITATIONS			
	MASS LOADINGS (lbs/day unless otherwise specified)		CONCENTRATION/OTHER UNITS (mg/l unless otherwise specified)	
	MONTHLY AVERAGE	DAILY MAXIMUM	MONTHLY AVERAGE	DAILY MAXIMUM
Flow STORET: 50050	N/A	N/A	Report MGD	Report MGD
Benzene, Total ⁽¹⁾ STORET: 34030	N/A	N/A	N/A	0.050
Oil and Grease STORET: 00556	N/A	N/A	N/A	15
T P H Gasoline Range Organics (GRO) ² STORET: 00559	N/A	N/A	N/A	1 mg/l ⁽³⁾
	Diesel Range Organics (DRO) ² STORET; 00561	N/A	N/A	1 mg/l ⁽³⁾
Total Suspended Solids STORET: 00530	N/A	N/A	N/A	45 mg/l
Total Residual Chlorine ⁽⁴⁾ STORET: 50060	N/A	N/A	N/A	No Measurable ⁽⁵⁾
pH STORET: 00400	N/A	N/A	Between 6.5 - 9.0 standard units.	

PARAMETERS	MONITORING REQUIREMENTS	
	MEASUREMENT FREQUENCY ⁽⁶⁾	SAMPLE TYPE
Flow	Daily	Estimate ⁽⁷⁾
Benzene, Total	1/Discharge Event	Grab ⁽⁸⁾
Oil and Grease	1/Discharge Event	Grab ⁽⁸⁾
Gasoline Range Organics (GRO)	1/Discharge Event	Grab ⁽⁸⁾
Diesel Range Organics (DRO)	1/Discharge Event	Grab ⁽⁸⁾
Total Suspended Solids	1/Discharge Event	Grab ⁽⁸⁾
Total Residual Chlorine	1/Discharge Event	Grab ⁽⁹⁾
pH	1/Discharge Event	Grab ⁽⁸⁾

NOTE: See Parts II and III for Additional Requirements.

All hydrostatic test water shall be free from any kind of welding scrap or other foreign material before being discharged into the receiving waters.

There shall be no discharge of visible sheen of oil or globules of oil or grease.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the outfall locations as described in the Authorization.

FOOTNOTES

- (1) The Benzene limit and monitoring requirement applies only to discharges from existing natural gas, oil, petroleum, petroleum product or petrochemical equipment, piping and vessels.
- (2) The GRO and DRO limit and monitoring requirement applies only to discharges from existing oil, petroleum, petroleum product or petrochemical equipment, piping and vessels.
- (3) The Daily Maximum Limit of 1mg/l is the total combined amount allowed for the GRO and DRO.
- (4) The TRC limit and monitoring requirement applies only when the fill water is from a municipal or rural drinking water supply.
- (5) No measurable; defined as <0.1 mg/l instantaneous maximum.
- (6) When discharging.
- (7) Flow may be estimated by calculating the volume of water that can be contained in the equipment, piping or vessels being tested.
- (8) Grab samples shall be taken of the hydrostatic test water being discharged as it leaves the equipment, piping or vessels being tested at the beginning and at the end of the discharge and two times during the discharge at evenly spaced time intervals. All of the grab samples shall be combined into one composite sample at the end of the test period for analysis.
- (9) Grab samples shall be taken of the hydrostatic test water being discharged as it leaves the equipment, piping or vessels being tested at the beginning and at the end of the discharge and two times during the discharge at evenly spaced time intervals. Each grab sample shall be tested individually, and the highest result reported.

SECTION B. SCHEDULE OF COMPLIANCE

The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule: None.

SECTION C. REPORTING OF MONITORING RESULTS

Monitoring results shall be reported in accordance with the provisions of Part III.E.4 of the permit. Monitoring results obtained during the previous month shall be summarized and reported on the Discharge Monitoring Report (DMR) forms postmarked no later than the 15th day of the following month. If no discharge occurs during the reporting period, DMR forms stating "No Discharge" shall be submitted according to the above schedule.

PART II
OTHER PERMIT REQUIREMENTS

1. This Permit does not convey any exclusive privileges or authorize any injury to property or invasion of rights 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.
2. The discharge of hydrostatic test water to which treatment chemicals, corrosion inhibitors or biocides have been added is prohibited. This prohibition does not prohibit the use of fill water whose source is a municipal or rural drinking water supply, except where the permittee has added additional treatment chemicals, corrosion inhibitors or biocides.
3. The discharge of pre-cleaning wastes is prohibited. Pre-cleaning waste means the waste generated from activities such as washing the equipment, piping or vessels with water or a detergent solution prior to the hydrostatic test and/or pre-pigging the equipment, piping or vessels prior to the hydrostatic test.
4. There shall be no impingement and entrainment of fish when drawing water from a surface water body.
5. There shall be no discharge of any wastewater except those resulting from hydrostatic testing of equipment, piping or vessels within the scope of this Permit, unless such discharge is authorized through a separate individual or general OPDES discharge permit.
6. The permittee shall take such steps as are necessary to prevent or minimize flooding, stream channel scouring or erosion of materials and soils into surface waters caused by the discharge.
7. There shall be no discharge of polychlorinated biphenyl compressor lubricants.
8. 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. Appendices A, B, and C to 40 CFR Part 136 are specifically referenced as part of this requirement. Amendments to 40 CFR Part 136 promulgated after the effective date of this permit shall supersede these requirements as applicable.
9. All laboratory analyses for the parameters specified in this permit must be performed by a laboratory certified by the DEQ for those parameters.

10. Oil and Grease Test Procedure, Method 1664

Method 1664 shall be used as the oil and grease test procedure for permit compliance monitoring purposes.

11. Minimum Quantification Level (MQL)

If any individual analytical test result is less than the minimum quantification level listed below, a value of zero (0) may be used for that individual result for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

<u>POLLUTANT</u>	<u>MQL (mg/l)</u>
Benzene	0.010

The permittee may develop an effluent and/or upstream specific method detection limit (MDL) in accordance with Appendix B to 40 CFR Part 136. For any pollutant for which the permittee determines an effluent and/or upstream specific MDL, the permittee shall send to DEQ, Water Quality Division, PDES Permitting Section, a report

containing QA/QC documentation, analytical results, and calculations necessary to demonstrate that the effluent and/or upstream specific MDL was correctly calculated. An effluent and/or upstream specific minimum quantification level (MQL) shall be determined in accordance with the following calculation:

$$\text{MQL} = 3.3 \times \text{MDL}$$

Upon written approval by the PDES Permitting Section, the effluent and/or upstream specific MQL may be utilized by the permittee for all future Discharge Monitoring Report (DMR) calculations and reporting requirements.

12. Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewater shall be disposed of in a State- approved industrial waste disposal site or to a company for recycling.

If any such industrial wastes are removed from the facility, the permittee shall keep accurate records which include the following information:

- a. Name and address of company hauling waste.
- b. The type and amount of waste hauled.
- c. The final disposal site of waste hauled.

Upon request, the above records shall be made available to the DEQ's staff for review.

13. Individual Permits

- a. Any permittee authorized by this Permit may request to be excluded from the coverage of this general 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.
- b. When an individual OPDES permit is issued to a permittee otherwise subject to this general permit, the applicability of this Permit to that owner or permittee is automatically terminated on the effective date of the individual permit.
- c. A source excluded from coverage under this general permit solely because it already has an individual permit may request that its individual permit be revoked, and that it be covered by this general permit. Upon revocation of the individual permit and issuance of the Authorization, this general permit shall apply to the source.

14. Laws and Rules Applicable

The DEQ Rules, as amended, are applicable to and are incorporated by reference into this Permit and any Authorizations 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 any and all amendments of the laws of the State of Oklahoma, the Department of Environmental Quality Rules, and 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. By DEQ approval, grant and issuance of this Permit, permittee acknowledges responsibility to obtain correct and current copies of applicable DEQ Rules (as amended), provided, however, that the permittee further acknowledges that any and all amendments thereto shall become a part of this Permit.