

**AUTHORIZATION TO DISCHARGE UNDER
THE OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**PERMIT NUMBER: OK0036994
ID NUMBER: I-37000290**

In compliance with the Oklahoma Pollutant Discharge Elimination System (OPDES) Act, 27A O.S. § 2-6-201 *et seq.*, Oklahoma Uniform Environmental Permitting Act, 27A O.S. § 2-14-101 *et seq.*, and the rules of the Oklahoma Department of Environmental Quality promulgated thereunder,

DCP Operating Company, LP - Okarche Gas Plant
30398 N 2760 Rd.
Okarche, OK 73762

is authorized to discharge from their facility, located in the:

SE¼, NE¼, NE¼, Section 31, Township 15N, Range 8WIM
Kingfisher County, Oklahoma
or about 6 miles west and ½ miles North of Okarche, Okarche, OK 73762

to receiving waters identified as: an unnamed tributary to Okarche Creek, stream segment 620910, in Kingfisher County, Oklahoma

from:

Outfall 001:
Latitude 35.715556° N, Longitude 98.095000° W
SW¼, NE¼, SW¼, Section 06, Township 14N, Range 8WIM,
Kingfisher County, Oklahoma.

Outfall 003:
Latitude 35.735556° N, Longitude 98.088056° W
NW¼, SE¼, NE¼, Section 31, Township 15N, Range 8WIM,
Kingfisher County, Oklahoma.

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III, hereof.

The above referenced facility is also authorized to retain wastewater in two flow-through surface impoundments (F01 and F02), as described in the Appendix. Surface impoundments shall be maintained in accordance with Parts I, II, and IV, hereof.

Issuance of this permit in no way or in any respect affects the permittee's civil or criminal responsibility regarding disposal and/or discharges of wastewater, except with respect to the permittee's legal responsibility under the OPDES Act and Department Rules.

This permit replaces and supersedes the previous permit issued on August 13, 2020.

The issuance date of this permit is _____.

This permit shall become effective _____.

This permit and authorization to discharge shall expire at midnight _____.

For the Oklahoma Department of Environmental Quality:

Carol Paden, P.E., Manager
Industrial Permits Section
Water Quality Division

George Russell IV, Director
Water Quality Division

**PART I
 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfalls 001 and 003

Limitations, Reporting Requirements and Monitoring

During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 001. Outfall 003 is usually held in reserve for the times Outfall 001 is unavailable. The discharge will consist of cooling tower blowdown, boiler blowdown, and reverse osmosis reject water that will be accumulated in two flow-through surface impoundments F01 and F02.

Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Limitations – Outfalls 001 and 003

| PARAMETERS | DISCHARGE LIMITATIONS | | | |
|---|---|------------------|---|----------------------------|
| | MASS LOADING LIMITS (lbs/day unless otherwise specified) | | CONCENTRATION LIMITS (mg/L unless otherwise specified) | |
| | MONTHLY AVERAGE | DAILY MAXIMUM | MONTHLY AVERAGE | DAILY MAXIMUM |
| Flow STORET: 50050 | Report (MGD) | Report (MGD) | N/A | N/A |
| Total Suspended Solid (TSS) STORET: 00530 | -- | 8.63 | -- | 45 |
| COD STORET: 00340 | -- | 38.36 | -- | 200 |
| Phosphorus as P STORET: 00665 | -- | Report | -- | Report |
| Total Residual Chlorine STORET: 50060 | -- | N/A | -- | No Measurable ^a |
| Zinc STORET: 01092 | -- | 0.19 | -- | 1 |
| Total Dissolved Solids (TDS) STORET: 70300 | -- | -- | -- | Report |
| pH STORET: 00400 | -- | N/A | between 6.5 and 9.0 s.u. | |

^a No measurable is defined as <0.1 mg/l instantaneous maximum.

Monitoring Requirements – Outfalls 001 and 003

| PARAMETERS | MEASUREMENT FREQUENCY ^a | SAMPLE TYPE |
|-------------------------|------------------------------------|-------------|
| Flow | 1/week | Estimate |
| Total Suspended Solids | 1/month | Grab |
| COD | 1/month | Grab |
| Phosphorus as P | 1/month | Grab |
| Total Residual Chlorine | 1/month | Grab |
| Zinc | 1/month ^b | Grab |
| TDS | 1/month ^c | Grab |
| pH | 1/month | Grab |

^a When discharging.

^b No monitoring for zinc is required unless the facility starts using zinc-containing chemicals. If no zinc is used for an entire reporting period, the permittee shall report a value of “zero” for the daily maximum and enter “No zinc used this reporting period” in the comments section on the DMR for that reporting period in lieu of the indicated testing. For any month in which Zinc is used, the indicated testing shall be done until the Zinc is no longer in use and at least one subsequent test verifies that the effluent meets the Zinc limit.

^c Beginning 36 months after the permit effective date and ending 60 months after the permit effective date.

NOTE: See Parts II and III for Additional Requirements.

There shall be no discharge of a visible sheen of oil or globules of oil or grease on or in the water. Oil and grease shall not be present in quantities that adhere to stream banks and coat bottoms of watercourses.

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

Samples for Outfalls 001 and 003 taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfalls 001 and 003: South end of F02, at NW¼, SE¼, NE¼, Section 31, Township 15N, Range 8WIM, Kingfisher County, Oklahoma or at Latitude 35.735597° N, Longitude 98.087765° W.

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, Section E(4) 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 15th 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://oklahoma.gov/deq/divisions/water-quality/wastewater-stormwater/electronic-reporting.html>. Assistance is also available by contacting DEQ at (405) 702-8100 or deqreporting@deq.ok.gov.

The first report is due on _____.

**PART II
OTHER PERMIT REQUIREMENTS**

A. REGULATORY NOTICE

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 rules of the Oklahoma Department of Environmental Quality, and Oklahoma's Water Quality Standards. The absence of any express reference within this permit of 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 the Director's approval, grant and issuance of this permit, permittee acknowledges receipt of true, correct, and current copies of Oklahoma's Water Quality Standards, and the rules of the Oklahoma Department of Environmental Quality.

B. REOPENER CLAUSE

This permit may be reopened 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(s), or a Total Maximum Daily Load is established for the receiving stream(s), or when required as technology advances. Modification or revocation and reissuance of the permit shall follow regulations listed at 40 C.F.R. § 124.5.

C. LABORATORY ACCREDITATION

All laboratory analyses for the parameters specified in this permit must be performed by a laboratory accredited by the Oklahoma Department of Environmental Quality for those parameters.

D. ANALYTICAL REQUIREMENTS

Unless otherwise specified in this permit, effluent and/or upstream monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed in 40 C.F.R. Part 136. Appendices A, B, and C to 40 C.F.R. Part 136 are specifically referenced as part of this requirement. Amendments to 40 C.F.R. Part 136 promulgated and incorporated by reference in OAC 252:606-1-3(b)(7) after the effective date of this permit shall supersede these requirements as applicable.

E. MINIMUM QUANTIFICATION LEVEL (MQL)

If any individual analytical test result taken for compliance with this permit is less than the corresponding minimum quantification level listed in OAC 252:606 Appendix H, a value of zero (0) may be used for that individual result for the DMR calculations and reporting requirements.

F. SURFACE IMPOUNDMENT REQUIREMENTS

1. A minimum freeboard of two (2) feet for surface impoundments F01 and F02 shall be maintained.
2. The permit may be reopened to implement and/or require impoundment modifications, additions, extensions, and/or operational changes; additional monitoring and reporting (including but not necessarily limited to soil sampling); reclassification of wastes; sludge management plans; best management practices; closure plans; remediation and/or remediation plans; monitoring wells and/or subsurface monitoring plans; and/or other appropriate actions.

3. The facility shall develop and maintain a written IMOP that discusses maintenance, operational, and monitoring procedures as specified in OAC 252:616-5-2 for impoundment F01, and F02 that contain Class II wastewater. The IMOP shall be kept on site and made available to DEQ upon request. The IMOP must be followed and updated annually, if necessary. The following shall be addressed in the IMOP:
 - Maintenance procedures including methods to protect impoundments and liner integrity
 - Operation procedures used to protect surface impoundments and liner integrity
 - The name and telephone number of personnel responsible for maintenance, operation and monitoring
4. At such time as surface impoundments F01 and/or F02 are to be permanently taken out of service or at such time as the contents of F01 and/or F02 pose a risk to the environment or waters of the state, the owner or operator of the facility shall follow all closure requirements contained in OAC 252:616-13.
5. In all other respects, F01 and F02 shall be subject to standard conditions for surface impoundment contained in OAC 252:616, Subchapters 5, 7, and 13, including but not limited to requirements for construction, operation, maintenance, monitoring, and closure.

G. LAND APPLICATION

Not Applicable.

H. OTHER DISPOSAL METHODS

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewater shall be disposed of at 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; and
- c. The final disposal site of waste hauled.

Upon request, the above records shall be made available to the staff of DEQ for inspection, review, and copying.