



REGION 6
1445 ROSS AVENUE
DALLAS, TEXAS 75202-2733

NPDES Permit No. OK0044733

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"),

Kickapoo Casino Wastewater Treatment Facility
25230 Hwy 62 East
Harrah, OK 73045

is authorized to discharge to an unnamed tributary on Kickapoo Trust land, thence to Agua Chiquita Creek, thence to Quapaw Creek, thence to Lake Arcadia in WQM Segment Code No. 520700 of the Arkansas River Basin from a facility located 5 miles East of Harrah on U.S. Highway 62, Harrah, Lincoln County, Oklahoma.

The discharge is located on that water at the following coordinates:

Outfall 001: Latitude 35° 29' 36.47" North and Longitude 97° 04' 29.66" West

in accordance with this cover page and the effluent limitations, monitoring requirements, and other conditions set forth in Part I, Part II, Part III, and Part IV hereof.

This permit supersedes and replaces NPDES Permit No. OK0044733 issued June 19, 2007.

This permit shall become effective on

This permit and the authorization to discharge shall expire at midnight,

Issued on

Prepared by

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PART I – REQUIREMENTS FOR NPDES PERMITS

SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

1. Final Effluent Limits – 0.05 MGD Design Flow

During the period beginning the effective date of the permit and lasting until the expiration date of the permit (unless otherwise noted), the permittee is authorized to discharge treated sanitary wastewater to the unnamed tributary from Outfall 001. Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | | | | |
|---|-----------------------|-----------|-----------|-----------------------------------|-----------------------|-----------|--------------------------|----------------------------|
| | lbs/day, unless noted | | | mg/L, unless noted ⁽⁷⁾ | | | MONITORING REQUIREMENTS | |
| POLLUTANT | 30-DAY AVG | DAILY MAX | 7-DAY AVG | 30-DAY AVG | DAILY MAX | 7-DAY AVG | MEASUREMENT FREQUENCY | SAMPLE TYPE |
| Flow | N/A | N/A | N/A | Report ⁽¹⁾ | Report ⁽¹⁾ | N/A | Daily | Continuous Recorder |
| Carbonaceous Biochemical Oxygen Demand, 5-day | | | | | | | | |
| Summer (June-October) | 4.2 | 6.3 | N/A | 10 | N/A | 15 | One/Week | 24-hr Composite |
| Spring (April-May) | 5.0 | 7.5 | N/A | 12 | N/A | 18 | | |
| Winter (November-March) | 7.5 | 11.3 | N/A | 18 | N/A | 27 | | |
| Carbonaceous Biochemical Oxygen Demand, 5-day, % removal, minimum | ≥ 85% ⁽³⁾ | N/A | N/A | N/A | N/A | N/A | One/Month ⁽²⁾ | Calculation ⁽³⁾ |
| Total Suspended Solids (TSS) | 8.8 | N/A | 13.4 | 21 | N/A | 32 | One/Month ⁽²⁾ | 24-hr Composite |
| Total Suspended Solids, % removal, minimum | ≥ 85% ⁽³⁾ | N/A | N/A | N/A | N/A | N/A | One/Month ⁽²⁾ | Calculation ⁽³⁾ |
| Ammonia Nitrogen (NH ₃ -N) | | | | | | | | |
| Summer (June-October) | 0.8 | 1.25 | N/A | 2 | N/A | 3 | | 24-hr Composite |
| Spring (April-May) | 2.5 | 3.75 | N/A | 6 | N/A | 9 | One/Week | |
| Winter (November-March) | 2.5 | 3.75 | N/A | 6 | N/A | 9 | | |

| | | | | | | | | |
|-------------------------------|-----|-----|-----|--|------------------------|-----|--------------------------|-----------------------|
| Dissolved Oxygen (DO) | 1.7 | 2.5 | N/A | 4 ⁽⁴⁾ | 6 ⁽⁴⁾ | N/A | One/Week | Grab |
| <i>E.coli</i> Bacteria | N/A | N/A | N/A | 126 ⁽⁵⁾ | 406 ⁽⁵⁾ | NA | One/Month ⁽²⁾ | Grab |
| Total Residual Chlorine (TRC) | N/A | N/A | N/A | N/A | 19 µg/l ⁽⁶⁾ | N/A | One/Month ⁽²⁾ | Grab ^(4,6) |
| pH | N/A | N/A | N/A | 6.5 ⁽⁴⁾ – 9.0 ⁽⁶⁾ s.u. | | | Five/Week | Grab |

Footnotes:

- 1 Report monthly average and daily maximum as million gallons per day (MGD) by instantaneous measurement.
- 2 For any reporting period, samples shall be taken at least ten (10) days from the first sample of the previous reporting period.
- 3 Percent removal is calculated using the following equation: [(average monthly influent concentration – average monthly effluent concentration) ÷ average monthly influent concentration] × 100. The influent data is not required to be submitted but must be made available to EPA or its agents upon request.
- 4 Minimum value. Instantaneous grab samples are to be taken between the times of 10:00 am-2:00 pm.
- 5 Colony forming units (cfu) per 100 ml.
- 6 Instantaneous maximum. For TRC, the instantaneous maximum grab sample shall be taken during periods of chlorine use and cannot be averaged for reporting purposes. Instantaneous maximum is defined in 40 CFR Part 136 as being measured within 15 minutes of sampling.
- 7 See Part II. Section A. Minimum Quantification Level (MQL) of permit.

FLOATING SOLIDS, VISIBLE FOAM AND/OR OILS

There shall be no discharge of floating solids or visible foam in other than trace amounts. There shall be no discharge of visible films of oil, globules of oil, grease or solids in or on the water, or coatings on stream banks.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit prior to the receiving stream.

B. SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule of activities for the attainment of water quality standards-based final effluent limitations for Cadmium at Outfall 001:

1. Determine exceedance cause(s) no later than six (6) months from the effective date of the permit;
2. Develop control options no later than one (1) year from the effective date of the permit;
3. Implement corrective action and attain final effluent limitations no later than three (3) years from the effective date of the permit.

The permittee shall submit quarterly progress reports by January 1, April 1, July 1, and October 1. The requirement to submit quarterly progress reports shall expire three (3) years from the effective date of the permit.

The quarterly progress reports shall include a discussion of the interim requirements that have been completed at the time of the report and shall address the progress towards attaining the water quality standards-based final effluent limitations no later than three (3) years from the effective date of the permit.

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date. Any reports of noncompliance shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

Written notices and reports shall be submitted to the EPA and ODEQ at the addresses specified in Part III.D.4 of this permit.

C. MONITORING AND REPORTING (MINOR DISCHARGERS)

Monitoring results must be reported to EPA on either the electronic or paper Discharge Monitoring Report (DMR) approved formats. Monitoring results can be submitted electronically in lieu of the paper DMR Form. To submit electronically, access the NetDMR website at www.epa.gov/netdmr and contact the R6NetDMR@epa.gov in-box for further instructions. Until you are approved for NetDMR, you must report on the Discharge Monitoring Report (DMR) Form EPA No. 3320-1 in accordance with the "General Instructions" provided on the form. No additional copies are needed if reporting electronically, however when submitting paper form EPA No. 3320-1, the permittee shall submit the original DMR signed and certified as required by Part III.D.11 and all other reports required by Part III.D to the EPA and other agencies as required. (See Part III.D.IV of the permit.)

Monitoring information shall be on Discharge Monitoring Report Form(s) EPA 3320-1 as specified in Part III.D.4 of this permit and shall be submitted quarterly. Each quarterly submittal shall include separate forms for each month of the reporting period.

1. Reporting periods shall end on the last day of the months March, June, September, and December.
2. The permittee is required to submit regular quarterly reports as described above postmarked no later than the 28th day of the month following each reporting period.