

**PART I
 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 001. The discharge will consist of treated wastewater from site drainage and filtration/backwash water that is generated from the backwash of a series of eight (8) sand filters. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Limitations – Outfall 001

PARAMETERS	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)	---	---
Total Residual Chlorine (TRC) STORET: 50060	---	---	---	ND ⁽¹⁾
Total Suspended Solid (TSS) STORET: 00530	---	---	Report	45
Total Dissolved Solids (TDS) STORET: 70296	---	---	Report	Report
pH STORET: 00400	N/A	N/A	between 6.5 and 9.0 s.u.	

⁽¹⁾ ND is Not Detectable (defined as <0.10 mg/L instantaneous maximum for Total Residual Chlorine) as measured by approved EPA 40 C.F.R. 136 methods for total residual chlorine. The <0.1 mg/L water quality-based limit for total residual chlorine will satisfy the intent of the narrative technology based TRC effluent limitation in 40 C.F.R. § 423.15(j)(2).

Monitoring Requirements – Outfall 001

PARAMETERS	MEASUREMENT FREQUENCY ⁽¹⁾	SAMPLE TYPE
Flow	1/week	Estimate ⁽²⁾
Total Residual Chlorine (TRC)	1/week	Grab ⁽³⁾
Total Suspended Solids (TSS)	1/week	Grab
Total Dissolved Solids (TDS)	1/week	Grab
pH	1/week	Grab

⁽¹⁾ When discharging.

⁽²⁾ Flow to be based on backwash pump on-time and flow rate.

⁽³⁾ Sample to be taken after de-chlorination and prior to discharge.

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.

The discharge shall not contain chemical, physical, or biological substances in concentrations that are irritating to skin or sense organs or are toxic or cause illness upon ingestion by human beings.

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

Outfall 001: At the backwash pit in the maintenance building at the north end of the wave pool in the northeastern portion of the facility, prior to entering the unnamed tributary (municipal storm sewer) of Mill Creek in segment 121300 of the Middle Arkansas River Basin, in the SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Section 9, Township 19N, Range 13E1M, Tulsa County, Oklahoma, or at Latitude 36.135031° N, Longitude 95.923965° W (GPS: NAD83).

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 a non-detect, then the detection limit shall be used for DMR calculations. Any time a non-detect value is used for DMR calculations, the value reported on the DMR shall use the less than sign (<).

F. SURFACE IMPOUNDMENT REQUIREMENTS

A minimum freeboard of two (2) feet for surface impoundment F01 shall be maintained.

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.

At such time as surface impoundment F01 is to be permanently taken out of service or at such time as the contents of F01 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.

In all other respects, F01 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.

APPENDIX

Description of Wastewater Treatment/Disposal Surface Impoundments (S.I.s)

Classification ⁽¹⁾ OAC 252:616-1-2		Liner Type	Holding Capacity ⁽³⁾ or Dimensions OAC 252:616-7-1(6)	WASTEWATER Destination
S.I. ⁽²⁾	Wastewater			
F01	De-chlorinated filter backwash water – Class III	Concrete	~270,000 gallons Cell 1: 15' x 40' x 20' Cell 2: 30' x 40' x 20'	Outfall 001

⁽¹⁾ Wastewater Classification according to OAC 252:616-1-2

⁽²⁾ Designation F refers to a flow-through surface impoundment.

⁽³⁾ Based on information provided in application. Freeboard requirements in Part II.F must be met.

Location of Surface Impoundments

S.I.	Legal Location	Relative Location of Impoundments
F01	SE¼, SE¼, SE¼, Section 9 Township 19N, Range 13E1M Tulsa County, Oklahoma	Located in the NE corner of the maintenance building at the North end of the wave pool