

DRAFT

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

**PERMIT NUMBER: OK0040517  
ID NUMBER: W20402**

**PART I**

In compliance with the Oklahoma Pollutant Discharge Elimination System (OPDES) Act, Title 27A OS § 2-6-201, *et seq.*, as amended, and the rules of the Oklahoma Department of Environmental Quality (DEQ) adopted thereunder (see the Oklahoma Administrative Code (OAC) 252:606); the Federal Clean Water Act (CWA), Public Law 95-217 (33 USC 125, *et seq.*), Section 402; and the National Pollutant Discharge Elimination System (NPDES) regulations at Title 40 of the Code of Federal Regulations (CFR) Parts 122 and 124),

Tulsa Metropolitan Utility Authority  
175 E. 2nd Street, Suite 1300  
Tulsa, OK 74103

is hereby authorized to discharge treated wastewater from the A.B. Jewell Water Treatment Plant located at approximately

S½, SE¼,  
Section 12, Township 19 North, Range 14 East, Indian Meridian,  
Tulsa County, Oklahoma  
or at 18707 E. 21st Street, Tulsa, OK 74134

to receiving waters: the R. James Unruh Reservoir (previously named Lynn Lane Reservoir) at the point located at approximately

Latitude: 36° 07' 28.705" N [GPS: NAD83]  
Longitude: 95° 46' 08.734" W [GPS: NAD83]

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

This permit replaces and supersedes the previous permit issued on October 30, 2020.

The issuance date of this permit is **Month Date Year**.

This permit shall become effective **Month Date Year**.

This permit and authorization to discharge shall expire at midnight **Month Date Year**.

For the Oklahoma Department of Environmental Quality:

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Michael B. Moe, P.E., Manager  
Municipal Discharge and Stormwater Permits Section  
Water Quality Division

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George Russell IV, Acting Director  
Water Quality Division  
Oklahoma Department of Environmental Quality

**A. Effluent Limitations and Monitoring Requirements (Outfall 001)****1. Final Limitations**

Beginning the effective date of the permit through the expiration date of the permit, the permittee is authorized to discharge treated filter backwash water in accordance with the following limitations:

| Effluent Characteristic                             | Discharge Limitations |  |            | Monitoring Requirements  |             |
|---|-----------------------|--|------------|--------------------------|-------------|
|   | Mass Loading (lb/day) | Concentrations (mg/L, unless otherwise specified)    |            | Frequency <sup>a</sup>   | Sample Type |
|   | Monthly Avg.          | Monthly Avg.   | Daily Max. |                          |             |
| Flow (mgd)<br>[STORET: 50050]                       | ---                   | Report   | Report     | Daily                    | Totalized   |
| Total Suspended Solids<br>[STORET: 00530]           | 110                   | 20   | 30         | 3 per month <sup>b</sup> | Grab        |
| Iron, Dissolved<br>[STORET: 01046]                  | 5.5                   | 1.0  | 2.0        | 1 per month <sup>b</sup> | Grab        |
| Aluminum, Dissolved <sup>c</sup><br>[STORET: 01106] | 5.5                   | 1.0  | 2.0        | 1 per month <sup>b</sup> | Grab        |
| Manganese, Dissolved<br>[STORET: 01056]             | 5.5                   | 1.0  | 2.0        | 1 per month <sup>b</sup> | Grab        |
| Lead, Total (µg/L)<br>[STORET: 01051]               | 0.03                  | 5.0  | 8.7        | 1 per month              | Grab        |
| Arsenic, Total (µg/L)<br>[STORET: 01002]            | 1.1                   | 210  | 330        | 1/6 months               | Grab        |
| pH (s.u.)<br>[STORET: 00400]                        | ---                   | 6.5 – 9.0  |            | 2 per week               | Grab        |
| Total Residual Chlorine<br>[STORET: 50060]          | ---                   | Instantaneous Maximum:<br>No measurable <sup>d</sup> |            | 1 per week               | Grab        |

<sup>a</sup> When discharging.

<sup>b</sup> Readings may be averaged for the month if an individual sample is in excess of the monthly average.

<sup>c</sup> If no alum (or other aluminum salt) is used for an entire reporting period, the permittee shall report a value of “zero” for the monthly average and enter “no alum (or other aluminum salt) used this reporting period” in the comments section on the DMR for that reporting period.

<sup>d</sup> No measurable is defined as less than 0.1 mg/L.

**2. Sampling Point**

Samples taken for compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit.

### 3. 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 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 water courses or which cause deleterious effects to the biota.
- All monitoring and reporting requirements shall also be in compliance with Part III of this permit.

### B. 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://oklahoma.gov/deq/divisions/water-quality/wastewater-stormwater/electronic-reporting.html>. Assistance is also available by contacting DEQ at (405) 702-8100 or emailing [deqreporting@deq.ok.gov](mailto:deqreporting@deq.ok.gov).

The first report is due on the 15<sup>th</sup> of MONTH, 2025.

## **PART II. OTHER PERMIT REQUIREMENTS**

- A. 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, DEQ rules, 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.
- B. All laboratory analyses for the parameters specified in this permit must be performed by a laboratory accredited by DEQ for those parameters.
- C. 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.

### **D. RESIDUALS/SLUDGE REQUIREMENTS**

- 1. The residuals (sludge) shall not be removed from this facility, nor shall the facility be closed until a Residuals Management Plan, or Closure Plan if applicable, has received written approval from the DEQ. At a minimum, the plan must demonstrate that those residuals (sludge) beneficial use and/or disposal practices comply with the DEQ rules governing Residuals Management (OAC 252:626-13).
- 2. Residuals (sludge) beneficial use and/or disposal practices shall comply with the requirements of the Residuals Management Plan (RMP) approved by the DEQ on September 25, 2025. This plan allows the permittee to use the residuals as fill material at the Tulsa Land Reclamation Site (TRLS), located at E. Pine St. & N. 145<sup>th</sup> E. Ave. in Tulsa, Oklahoma, and/or to landfill the residuals at Quarry Landfill (Permit # 3572042), located in Section 16, Township 20 North, Range 14 East, Tulsa County, and at American Environmental Landfill (Permit # 3557021), located in Section 36, Township 20 North, Range 10 East, Osage County, Oklahoma.
- 3. All residuals (sludge) must be handled, beneficially used, and/or disposed of in accordance with all applicable state (OAC 252:626-13-2 and OAC 252:515) and federal regulations (40 CFR Part 257) to protect the public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present.
- 4. Residuals (sludge) generated at a potable water treatment plant may be beneficially used by land application or as fill material only if the facility has an approved residuals (sludge) permit that defines the location and operating conditions and other requirements to be met. Current residuals (sludge) permits available include General Permits OKG65A (for alum) and OKG65L (for lime) or an individual residuals permit. The constituents to be monitored for and the sampling frequencies for each constituent are also defined in the Residuals Management Plan.
- 5. A written authorization from the DEQ is required for disposal of the residuals (sludge) at a different/new landfill. A letter confirming that the treatment of the residuals to remove excess water is still occurring and stating the location of the different/new landfill shall be submitted to the DEQ to receive this authorization.

6. All records relevant to the residuals (sludge) beneficial use and/or disposal, including analytical results specified in the Residuals Management Plan approved by the DEQ, shall be kept at the facility for a period of five (5) years and shall be made available to the DEQ staff upon request.
7. The permittee shall notify the DEQ at least 120 days prior to implementing any changes to the approved residuals (sludge) beneficial use and/or disposal practices.

E. 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 (TMDL) 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 § 124.5.