



April 03, 2023

Client: Perkins PWA

PO Box 9

Perkins, OK 74059

**Requested By:** Chad Beitz



National  
Environmental  
Laboratory  
Accreditation  
Program  
ODEQ TNI Certified

**Sample Project Name:** Wastewater Treatment Plant-Permit #OK0028801

**Date Samples Received:** March 24, 2023      Time: 9:50      sample temp upon arrival at lab = 11.30°C - On Ice

**Matrix:** Waste Water

**Lab Log Numbers:** **FC24006-01**

**Work Order:** FC24006

**Report #** FC24006-0403230901

**EPA Lab ID#'s:** **Stillwater OK00092    Tulsa OK00983    OKC OK00129    ICR OK 001**

**Oklahoma Certification:** Stillwater NELAP WasteWater, ODEQ 8316/ Drinking Water, DEQ D9602  
NELAP Tulsa WasteWater, ODEQ 9905 / Drinking Water, DEQ D9901  
Oklahoma City NELAP WasteWater ODEQ 7202 / Drinking Water, DEQ D9937

**Kansas Certification:** Stillwater NELAP CERT # E-10219

**Method Reference:** 40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update VI. Standard Methods 2005 (21st Edition), Standard Methods 2011 (22nd Edition), Standard Methods 2017 (23rd Edition) for the Examination of Water and Wastewater.

**Analysis Reference:** If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows: @= Tulsa Lab and \* = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab.

Accurate Environmental Laboratories certify that the test results performed at the Stillwater lab meet all requirements of NELAP. Any exceptions to this can be found in the report footer or Quality Control Section of the report.

This report is to only be replicated in its entirety.

Accurate Environmental sampling protocol was followed for any sampling performed by Accurate Field Services.

Sample: Effluent WWTP

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 3/24/23 8:30

Lab Log# FC24006-01

| Method/Parameter                                | Test                      | Result    | Notes | PQL# | Prep Info          | Analysis Info      |
|---|---------------------------|-----------|-------|------|--------------------|--------------------|
| BOD5 SM5210 B                                   | Biochemical Oxygen Demand | 90.6 mg/L |       | 2.00 | 03/24/23 10:20 RMM | 03/29/23 13:00 RMM |
| Total Suspended Solids SM2540D<br>22nd ed. 2011 | Total Suspended Solids    | 110 mg/L  |       | 50.0 | 03/27/23 10:11 JM2 | 03/29/23 09:17 JM2 |

### Notes and Definitions

MCL Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.

### Analyte concentration may exceed regulatory limit.

PQL Practical Quantitation Limit - the method reporting limit (MRL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects

BPQL Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: 19 A 02 15 - BLK = 2019, Jan 2, Batch #15 - Blank)

*Lab Manager*



## Quality Control Data

### Blank Data

| QC Lab #     | Test Group                                   | Test                      | Result    | PQL  | Flags |
|--------------|--|---------------------------|-----------|------|-------|
| 23C2404-BLK1 | BOD5 SM5210 B                                | Biochemical Oxygen Demand | BPQL mg/L | 2.00 |       |
| 23C2732-BLK1 | Total Suspended Solids SM2540D 22nd ed. 2011 | Total Suspended Solids    | BPQL mg/L | 2.50 |       |

### Laboratory Control Sample Data

| Lab QC#     | Test Group                                   | Test Name                 | LCS Result | Spike Level | Units | % Rec. | Control Limits | Flags |
|-------------|--|---------------------------|------------|-------------|-------|--------|----------------|-------|
| 23C2404-BS1 | BOD5 SM5210 B                                | Biochemical Oxygen Demand | 207        | 198.0       | mg/L  | 105    | 84.6 - 115.4   |       |
| 23C2732-BS1 | Total Suspended Solids SM2540D 22nd ed. 2011 | Total Suspended Solids    | 264        | 250.0       | mg/L  | 106    | 80 - 120       |       |

