



February 02, 2022

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:** January 21, 2022      Time: 14:20      sample temp upon arrival at lab = 11.60°C - On Ice

**Matrix:** Waste Water

**Lab Log Numbers:** **EA21021-01**

**Work Order:** EA21021

**Report #** EA21021-0202220843

**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 III. Standard Methods 1998 (20th Edition), Standard Methods 2005 (21st Edition) and Standard Methods 2011 (22nd 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:** 1/21/22 11:00

**Lab Log#** EA21021-01

| Method/Parameter                                | Test                      | Result    | Notes | PQL# | Prep Info          | Analysis Info      |
|---|---------------------------|-----------|-------|------|--------------------|--------------------|
| BOD5 SM5210 B                                   | Biochemical Oxygen Demand | 48.4 mg/L |       | 2.00 | 01/21/22 15:00 CPL | 01/26/22 08:00 RMM |
| Total Suspended Solids SM2540D<br>22nd ed. 2011 | Total Suspended Solids    | 44.0 mg/L |       | 25.0 | 01/24/22 10:40 CPL | 01/25/22 16:00 CPL |

### 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 |
|--------------|--|---------------------------|-----------|------|-------|
| 22A2103-BLK1 | BOD5 SM5210 B                                | Biochemical Oxygen Demand | BPQL mg/L | 2.00 |       |
| 22A2417-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 |
|-------------|--|---------------------------|------------|-------------|-------|--------|----------------|-------|
| 22A2103-BS1 | BOD5 SM5210 B                                | Biochemical Oxygen Demand | 190        | 198.0       | mg/L  | 96     | 84.6 - 115.4   |       |
| 22A2417-BS1 | Total Suspended Solids SM2540D 22nd ed. 2011 | Total Suspended Solids    | 230        | 250.0       | mg/L  | 92     | 80 - 120       |       |

\* Complete Entire COC to be in Compliance\*

RUSH Due Date



# Chain of Custody

Client Name- **City of Perkins - Public Works Authority**  
 Project Name- **Wastewater Treatment Plant - Permit # OK0028801**

| Accurate Work Order # | Date Sample Taken | Time Sample Taken | Matrix or Source<br>(Refer. below) | Grab (G) or Comp (C) | Client I.D. / Sample Location<br>or<br>DEQ / EPA Location Code | Field Results<br>(pH, Temp, Chlorine, ...)<br>(note analysis & units) |         | Analysis Requested<br>→<br># of Container<br>↓ | TSS / BOD | Sample Preserv. & Container<br>→<br>1000 ml Plastic |
|-----------------------|-------------------|-------------------|------------------------------------|----------------------|--|---|---------|--|-----------|---|
|                       |                   |                   |                                    |                      |  | pH  | Temp C° |  |           |   |
| EA21021<br>-01        | 1/21/22           | 1100              | WW                                 | G                    | Effluent: WWTP   |   |         | 2  | x         |   |
|                       |                   |                   |                                    |                      |  |   |         |  |           |   |
|                       |                   |                   |                                    |                      |  |   |         |  |           |   |
|                       |                   |                   |                                    |                      |  |   |         |  |           |   |

|   |                                      |                               |                                |           |             |             |          |
|---|--------------------------------------|-------------------------------|--------------------------------|-----------|-------------|-------------|----------|
| <b>On-Site Info</b>   | Raw Alkalinity (TOC Raw)= _____ mg/L | Turbidity (E.Coli)= _____ ntu | Field Instrument Calibration - |           |             |             |          |
| <b>Matrix Codes</b><br>DW = Drinkingwater ; WW = Wastewater ; SL = Sludge ; O = Other   |                                      |                               | Meter Type                     | Standards | Final Read. | Date , Time | Initials |
| <b>E.Coli Source</b><br>FS = Flowing Stream ; RL = Reservoir Lake ; GWUDI = Groundwater under direct influence of surface water |                                      |                               |                                | 4-7-10    | 7.05        | 1/21/22     | ZI       |

**Comments** *Samples Delivered On Ice. Sample = Single Composite*

**Certification by Company Official:** I hereby certify that the above sampling occurred during a period such that the sample(s) is/are representative of a typical operating day discharge for the above facility. **Signature:** *[Signature]* **Date/Time:** 1/21/22

**Sampled By:** Zachery Isca *[Signature]* **Company:** City of Perkins **Sample Method:** Grab

|  |                           |   |                           |
|--|---------------------------|---|---------------------------|
| <b>Relinquished By:</b> Zachery Isca <i>[Signature]</i>                          | <b>Date/Time:</b> 1/21/22 | <b>Received By:</b> Zachery Isca <i>[Signature]</i> | <b>Date/Time:</b> 1/21/22 |
| <input type="checkbox"/> Relinquished to Lab By: Zachery Isca <i>[Signature]</i> | <b>Date/Time:</b> 1/21/22 | <b>Received at Lab By:</b> <i>[Signature]</i>       | <b>Date/Time:</b> 1/21/22 |
| <input type="checkbox"/> Relq'd to Log-In Fridge By: <i>[Signature]</i>          | <b>Date/Time:</b> 1/21/22 | <b>Rec'd °C:</b> 11.6                               | <b>Date/Time:</b> 1/21/22 |

|  |                              |                             |                          |                                       |                       |
|--|------------------------------|-----------------------------|--------------------------|---------------------------------------|-----------------------|
| <b>Reporting Requirements</b><br>(standard 10-15 working days) | <b>Compliance Reporting?</b> | <b>Yes or No</b><br>(DMR, ) | <b>Oklahoma PWS ID #</b> | <b>RUSH Request</b><br>(if available) | <b>(Working Days)</b> |
|--|------------------------------|-----------------------------|--------------------------|---------------------------------------|-----------------------|

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|--|--|
| <b>Mail Report:</b> Chad Beitz<br>City of Perkins<br><b>Address:</b> PO Box 9<br>Perkins, OK 74059<br><b>Phone #:</b> 405-547-2445 <b>Fax #:</b> 405-547-5440<br><b>Email:</b> cbeitz@cityofperkins.net zisca@cityofperkins.net<br>citymanager@cityofperkins.net cityclerk@cityofperkins.net | <b>Mail Invoice:</b> Accounts Payable<br>City of Perkins<br><b>Address:</b> Po Box 9<br>Perkins, OK 74059<br><b>Phone #:</b> 405-547-2445 <b>Fax #:</b> 405-547-5440 |
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