



February 27, 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:** February 17, 2023      Time: 10:12      sample temp upon arrival at lab = 9.00°C - On Ice

**Matrix:** Waste Water

**Lab Log Numbers:** **FB17008-01**

**Work Order:** FB17008

**Report #** FB17008-0227230827

**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: 2/17/23 9:30

Lab Log# FB17008-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
BOD5 SM5210 B	Biochemical Oxygen Demand	38.6 mg/L	BOD-7	2.00	02/17/23 12:00 RMM	02/22/23 08:48 CPL
Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	164 mg/L		100	02/20/23 09:52 JM2	02/21/23 09:45 JM2

### Notes and Definitions

BOD-7 The BOD sample dilutions showed greater than 30% difference between the high and low values. This does not invalidate data reported.

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
23B1704-BLK1	BOD5 SM5210 B	Biochemical Oxygen Demand	BPQL mg/L	2.00	
23B2036-BLK1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	BPQL mg/L	2.50	

### Duplicate Sample Data

QC Lab #	Test Group	Test Name	Source	Dup Result	Samp Result	% RPD	RPD Limit	Flags
23B2036-DUP2	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	FB17008-01	152	164	8	10	

### Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
23B1704-BS1	BOD5 SM5210 B	Biochemical Oxygen Demand	209	198.0	mg/L	106	84.6 - 115.4	
23B2036-BS1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	216	250.0	mg/L	86	80 - 120	

\* Complete Entire COC to be in Compliance\*

RUSH Due Date \_\_\_\_\_



# Chain of Custody

Sample Preserv. & Container →	1000 ml Plastic				
Analysis Requested →	TSS / BOD				
# of Container ↓	I	x			

Client Name- <b>City of Perkins - Public Works Authority</b>		Project Name- <b>Wastewater Treatment Plant - Permit # OK0028801</b>							
Accurate Work Order #	Date Sample Taken	Time Sample Taken	Matrix or Source (Refer. below)	Grab (G) or Comp (C)	Client I.D. / Sample Location or DEQ / EPA Location Code	Field Results (pH, Temp, Chlorine, ... ) (note analysis & units)		Analysis Requested →	TSS / BOD
FBI7-008 -01	02/17/2023	9:30	WW	G	Effluent: WWTP	pH	Temp C°		

<b>On-Site Info</b>	Raw Alkalinity (TOC Raw)= _____ mg/L	Turbidity (E.Coli)= _____ ntu	Field Instrument Calibration -				
<b>Matrix Codes</b>	DW = Drinkingwater ; WW = Wastewater ; SL = Sludge ; O = Other		Meter Type	Standards	Final Read.	Date , Time	Initials
<b>E.Coli Source-</b>	FS= Flowing Stream; RL= Reservoir Lake; GWUDI= Groundwater under direct influence of surface water			4-7-10			
<b>Comments</b>	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:** *James Sauls* **Date/Time:** 02/17/2023

**Sampled By:** *James Sauls* **Company:** City of Perkins **Sample Method:** Grab

<b>Relinquished By:</b> <i>James Sauls</i>	<b>Date/Time:</b> 02/17/2023 9:45	<b>Received By:</b> <i>Ans Reser</i>	<b>Date/Time:</b> 02/17/2023 9:45
<input checked="" type="checkbox"/> Relinquished to Lab By: <i>Ans Reser</i>	<b>Date/Time:</b> 02/17/2023 10:12	<b>Received at Lab By:</b> <i>J. Schmielt</i>	<b>Date/Time:</b> 02/17/2023 10:12
<input type="checkbox"/> Rel'd to Log-In Fridge By:		<b>Rec'd °C</b>	<b>ice</b> 9.0

**Reporting Requirements** (standard 10-15 working days) **Compliance Reporting?** No **Oklahoma PWS ID #** \_\_\_\_\_ **RUSH Request** (if available) \_\_\_\_\_ (Working Days)

<b>Mail Report:</b> Chad Beitz City of Perkins <b>Address:</b> PO Box 9 Perkins, OK 74059 <b>Phone #:</b> 405-547-2445 <b>Fax #:</b> 405-547-5440 <b>Email:</b> cbeitz@cityofperkins.net jsauls@cityofperkins.net citymanager@cityofperkins.net cityclerk@cityofperkins.net	<b>Mail Invoice:</b> Accounts Payable City of Perkins <b>Bid # -</b> _____ <b>Address:</b> Po Box 9 Perkins, OK 74059 <b>PO # -</b> _____ <b>Phone #:</b> 405-547-2445 <b>Fax #:</b> 405-547-5440
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<a href="http://www.accuratelabs.com">www.accuratelabs.com</a> <b>(800) 516-5227</b>	505 South Lowry Street Phone: (405) 372-5300 Stillwater, OK 74074 Fax: (405) 372-5396	6558 E. 40 <sup>th</sup> Street Phone: (918) 663-5400 Tulsa, OK 74145 Fax: (918) 663-6300	12036 N. Pennsylvania Phone: (405) 751-3132 Oklahoma City, OK 73120 Fax: (405) 751-3108
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