



November 14, 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: November 03, 2022 Time: 10:49 sample temp upon arrival at lab = 11.20°C - On Ice

Matrix: Waste Water

Lab Log Numbers: **EK03031-01**

Work Order: EK03031

Report # EK03031-1114221648

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: 11/3/22 9:35

Lab Log# EK03031-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
BOD5 SM5210 B	Biochemical Oxygen Demand	58.7 mg/L		2.00	11/04/22 07:23 CPL	11/08/22 13:01 CPL
Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	205 mg/L		125	11/08/22 14:26 MHM	11/10/22 11:32 MHM

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.
- #44 RPD is outside of acceptance limits. This failure 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
22K0416-BLK1	BOD5 SM5210 B	Biochemical Oxygen Demand	BPQL mg/L	2.00	
22K0859-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
22K0416-DUP2	BOD5 SM5210 B	Biochemical Oxygen Demand	EK03031-01	87.1	58.7	39	20	#44, BOD-7
22K0859-DUP1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	EK03031-01	205	205	0	10	

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
22K0416-BS1	BOD5 SM5210 B	Biochemical Oxygen Demand	199	198.0	mg/L	101	84.6 - 115.4	
22K0859-BS1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	200	250.0	mg/L	80	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- 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 (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)		# of Container ↓	TSS / BOD
						pH	Temp C°		
EW03031	11-3-22	09:35	WW	G	Effluent: WWTP			I	x
-01									

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

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: *11-3-22*

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

Relinquished By: *[Signature]* **Date/Time:** 11-3-22 **Received By:** *[Signature]* **Date/Time:** 11-3-22

Relinquished to Lab By: *[Signature]* **Date/Time:** 11-3-22 **Received at Lab By:** *[Signature]* **Rec'd °C:** 11.2 **Date/Time:** 11-3-22 1049

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

Mail Report: Chad Beitz City of Perkins Address: PO Box 9 Perkins, OK 74059 Phone #: 405-547-2445 Fax #: 405-547-5440 Email: cbeitz@cityofperkins.net citymanager@cityofperkins.net cityclerk@cityofperkins.net	Mail Invoice: Accounts Payable City of Perkins Bid # - _____ Address: Po Box 9 Perkins, OK 74059 PO # - _____ Phone #: 405-547-2445 Fax #: 405-547-5440
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