



December 24, 2021

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: December 16, 2021 Time: 13:35 sample temp upon arrival at lab = 8.30°C - On Ice

Matrix: Waste Water

Lab Log Numbers: **DL16054-01**

Work Order: DL16054

Report # DL16054-1224211039

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: 12/16/21 11:00

Lab Log# DL16054-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
BOD5 SM5210 B	Biochemical Oxygen Demand	39.7 mg/L	BOD-2	2.00	12/17/21 07:30 RMM	12/22/21 11:30 RMM
Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	27.0 mg/L		12.5	12/20/21 14:15 CPL	12/23/21 09:00 RND

Notes and Definitions

BOD-2 The sample dilutions set up for the BOD analysis failed to meet the criteria of a residual dissolved oxygen of at least 1 mg/L. 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
21L1704-BLK1	BOD5 SM5210 B	Biochemical Oxygen Demand	BPQL mg/L	2.00	
21L2048-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
21L1704-BS1	BOD5 SM5210 B	Biochemical Oxygen Demand	203	198.0	mg/L	103	84.6 - 115.4	
21L2048-BS1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	233	250.0	mg/L	93	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**

Sample Preserv. & Container →	1000 ml Plastic				
Analysis Requested →	TSS / BOD				
# of Container ↓	2	x			

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°			
DL10054 01	12/16/21	1100	WW	G	Effluent: WWTP				2	x

On-Site Info	Raw Alkalinity (TOC Raw)= _____ mg/L	Turbidity (E.Coli)= _____ ntu	Field Instrument Calibration -				
Matrix Codes	DW = Drinkingwater; WW = Wastewater; SL = Sludge; O = Other		Meter Type	Standards	Final Read.	Date, Time	Initials
E.Coli Source-	FS = Flowing Stream; RL = Reservoir Lake; GWUDI = Groundwater under direct influence of surface water			4-7-10	7.05	12/16/21	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: *Zachery Isca* Date/Time: 12/16/21

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

Relinquished By: Zachery Isca <i>Zachery Isca</i>	Date/Time: 12/16/21	Received By: Zachery Isca <i>Zachery Isca</i>	Date/Time: 12/16/21
<input type="checkbox"/> Relinquished to Lab By: Zachery Isca <i>Zachery Isca</i>	Date/Time: 12/16/21 1335	Received at Lab By: <i>Esther Can</i>	Rec'd °C: 8.3 Date/Time: 12/16/21 1335

Reporting Requirements (standard 10-15 working days)	Compliance Reporting?	Yes or No (DMR,)	Oklahoma PWS ID #	RUSH Request (if available)	(Working Days)
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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 zisca@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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