

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION  
MONTHLY MONITORING REPORT**

**PERMITTEE NAME**

Bethel Oaks Property Owners Association Inc

**FACILITY NAME**

Bethel Oaks Subdivision

**PERMIT NO.**

4875-WR-3

**PERMITTEE ADDRESS**

12531 Bethel Oaks Dr  
Farmington AR 72730

**FACILITY ADDRESS**

CR 62 Farmington AR

**AFIN NO.**

72-01656

**WASTEWATER EFFLUENT MONITORING PERIOD**

MM/DD/YYYY  
10/1/2019

MM/DD/YYYY  
10/31/2019

**TREATED WASTEWATER EFFLUENT SAMPLING**

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.230,210	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.01250	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	< 10.0	mg/l		
Fecal Colliform Bacteria (FCB)	7,800	< 1.0	colonies/100ml		
pH	6.0 - 9.0	7.1	s.u.		
Total Phosphorus (TP)	REPORT	6.9	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	31.3	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	20.9	mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT	13.3	mg/l		
Plant Available Nitrogen (PAN)	REPORT	37.3	mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER  
  
Kathy Bartlett  
  
TYPED OR PRINTED

SIGNATURE OF COGNIZANT OFFICIAL  
*KM Bartlett*

TELEPHONE  
(479) 530-5926  
  
DATE  
11/14/19

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

**\* LOADING RATE BY ZONE**

Zone 1	0.009	Zone 5	0.009	Zone 9	0.009
Zone 2	0.009	Zone 6	0.009	Zone 10	0.009
Zone 3	0.009	Zone 7	0.009	Zone 11	0.009
Zone 4	0.009	Zone 8	0.009	Zone 12	0.009

# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
 Little Rock, AR 72211  
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1910020131  
 Customer Name : BETHEL OAKS UTILITY, LLC  
 Customer/Permit No. : 1855 / 4875-WR-3  
 Report Date : 10/29/19

Sample Date : 10/18/19  
 Sample Time : 0744  
 Sample Type : GRAB  
 Sample From : EFFLUENT

Collected By: NTR  
 Delivery By : NTR  
 Work Order :  
 Purchase Order :

### Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
10/18	1345	TSB	Ammonia as N, (HACH 10205)	20.90 mg/L			SM 2011 4500-NH3 F	1.14	98.0 *
10/21	1230	TSB	Total Kjeldahl Nitrogen	31.3 mg/L			02/2014 HACH 10242	2.11	95.2 *
10/18	0745	NTR	pH	7.1 S.U.			SM 2011 4500-H+ B	0.00	N/A
10/21	1544	TSB	Phosphorous, Total (as P)	6.90 mg/L			EPA 365.3	0.90	108.0 *
10/23	1430	TSB	Solids, Total Suspended	< 10.0 mg/L			SM 2011 2540 D	4.85	N/A *
10/18	1500	TSB	Fecal Coliform (MPN/100mL)	< 1.0 /100mL			06/2012 Colilert18	0.00	0.0
10/18	0800	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	6.84	118.0 *
10/25	0910	TSB	Solids, % Total by mass	0.033 %			SM 1997 2540 G	3.08	N/A
10/21	1300	TSB	Nitrate + Nitrite	13.30 mg/L			01/2013 HACH 10206	1.82	98.4 *
10/22	1500	TSB	Nitrogen, Plant Available	37.3 mg/L			SM 1997 4500-N		

\* QA data shown is from a different sample or standard on the same date.

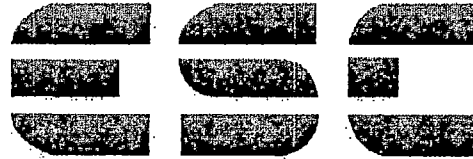
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

230,210  
 11,250

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: www.esclabs.com



Corporate Office, Little Rock, Arkansas  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

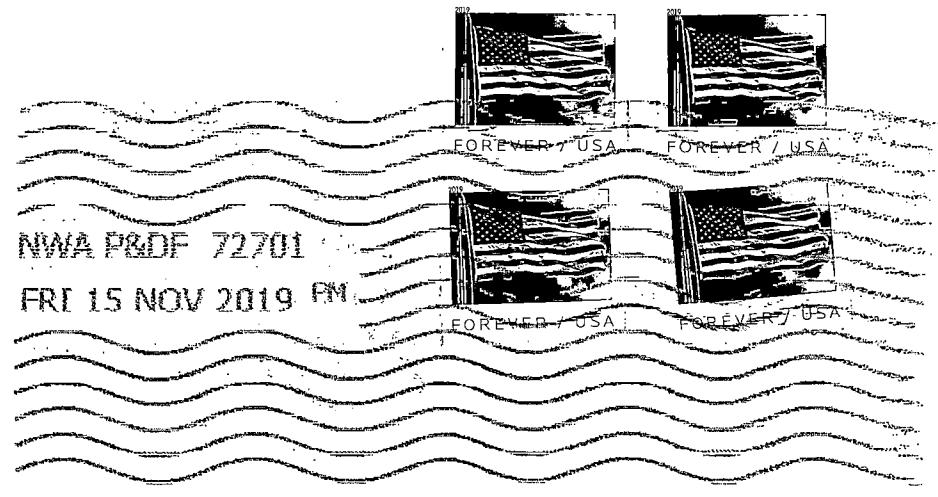
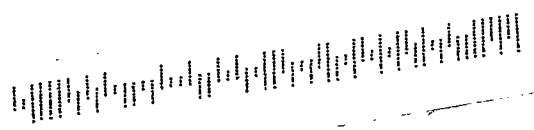
Phone: 479-750-1170 Fax: 479-750-1172

# CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters											
Company Name:		Bethel Oaks Utility, LLC				Permit/Project #:					pH (23)	Fecal Coliform (43.IF)	CBOD (70), TSS (28)	T Phos (25), NH <sub>3</sub> -N (15.A),	s-TKN (16.C) NO <sub>3</sub> +NO <sub>2</sub> -N (91)	PAN (99.99)						
Address:		6516 Mesa Street Fayetteville, AR 72704				Purchase Order #:																
Telephone:		479-790-3813				Sampler Name(s):		Ned Ryerson														
Telephone:						and Signature(s):		[Signature]														
ESC Client Number:		1855																				
Sample Identification		Sample Collection				Sample Containers																
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
EFFLUENT	1910020131	10-18-19	0744	GRAB	Water	Glass	150 ml	none	1	X												
EFFLUENT				GRAB	Water	Whirlpak	100ml	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	1		X											
EFFLUENT				GRAB	Water	Plastic	1/2 Gallon	none/ice	1			X										
EFFLUENT				GRAB	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , pH<2	1				X	X	X							
Cool all samples to 6 degrees C.																						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	<input checked="" type="checkbox"/>	Intact?	<input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>									
Comments:						FLOW DATA		Field Test		Time	Analyst	Result	Result	Units								
						Analyst:		pH:		0745	NTR	7.1	7.1	°C								
						Time:		Temp.:		0745	NTR	19.0	19.0	°F								
						Reading:		DO:														
						Units:		Debris:														
Cool all samples to 6 degrees C.										Chlorinated? Yes No			This Document is Page ___ of ___									

NWA Utility Services  
PO BOX 9299  
Fayetteville, AR

72703



ADEG  
Water Division Permits Branch  
5301 Northshore Dr  
North Little Rock, AR

72118-5317