

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

<b>PERMITTEE NAME</b>
Bethel Oaks Property Owners Association Inc
<b>PERMITTEE ADDRESS</b>
12531 Bethel Oaks Dr Farmington AR 72730

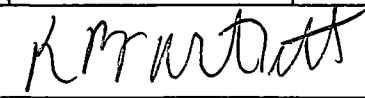
<b>FACILITY NAME</b>
Bethel Oaks Subdivision
<b>FACILITY ADDRESS</b>
CR 62 Farmington AR

<b>PERMIT NO.</b>
4875-WR-3

<b>AFIN NO.</b>
72-01656

<b>WASTEWATER EFFLUENT MONITORING PERIOD</b>	
MM/DD/YYYY	MM/DD/YYYY
7/1/2020	7/31/2020

<b>TREATED WASTEWATER EFFLUENT SAMPLING</b>					
Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.240,415	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.009672	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	12	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	< 5.0	colonies/100ml		
pH	6.0 - 9.0	7.1	s.u.		
Total Phosphorus (TP)	REPORT	7.7	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	56	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	33.5	mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT	12.1	mg/l		
Plant Available Nitrogen (PAN)	REPORT	52.3	mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 <b>SIGNATURE OF COGNIZANT OFFICIAL</b>	<b>TELEPHONE</b>
			(479) 530-5926
TYPED OR PRINTED			<b>DATE</b>
			8/15/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

<b>* LOADING RATE BY ZONE</b>					
<b>Zone 1</b>	806	<b>Zone 5</b>	806	<b>Zone 9</b>	806
<b>Zone 2</b>	806	<b>Zone 6</b>	806	<b>Zone 10</b>	806
<b>Zone 3</b>	806	<b>Zone 7</b>	806	<b>Zone 11</b>	806
<b>Zone 4</b>	806	<b>Zone 8</b>	806	<b>Zone 12</b>	806

# 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: 2007020090  
 Customer Name : BETHEL OAKS UTILITY, LLC  
 Customer/Permit No. : 1855 / 4875-WR-3  
 Report Date : 07/28/20

Sample Date : 07/16/20  
 Sample Time : 1230  
 Sample Type : GRAB  
 Sample From : EFFLUENT

Collected By: TWM  
 Delivery By : TWM  
 Work Order :  
 Purchase Order :


### Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
07/20	1126	HNS	Ammonia as N, (HACH 10205)	33.50 mg/L			SM 2011 4500-NH3 F	2.06	102.0 *
07/21	0850	NTR	Total Kjeldahl Nitrogen	56.0 mg/L			02/2014 HACH 10242	2.41	99.0 *
07/16	1235	TWM	pH	7.1 S.U.			SM 2011 4500-H+ B	0.00	N/A
07/20	1410	NTR	Phosphorous, Total (as P)	7.70 mg/L			EPA 365.3	0.00	91.0 *
07/20	1630	NTR	Solids, Total Suspended	12.0 mg/L			SM 2011 2540 D	5.85	N/A *
07/16	1730	TWM	Fecal Coliform (MPN/100mL)	< 5.0 /100ml			06/2012 Colilert18	0.00	N/A *
07/16	1340	NTR	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	0.00	91.9 *
07/21	1005	HNS	Nitrate + Nitrite	12.10 mg/L			01/2013 HACH 10206	3.74	87.4 *
07/21	1000	NTR	Nitrogen, Plant Available	52.3 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.

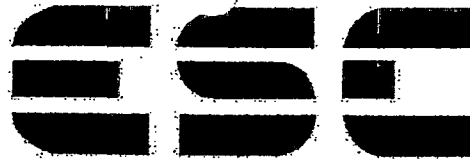
Signature \_\_\_\_\_

  
 Environmental Services Co., Inc.

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KNM

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



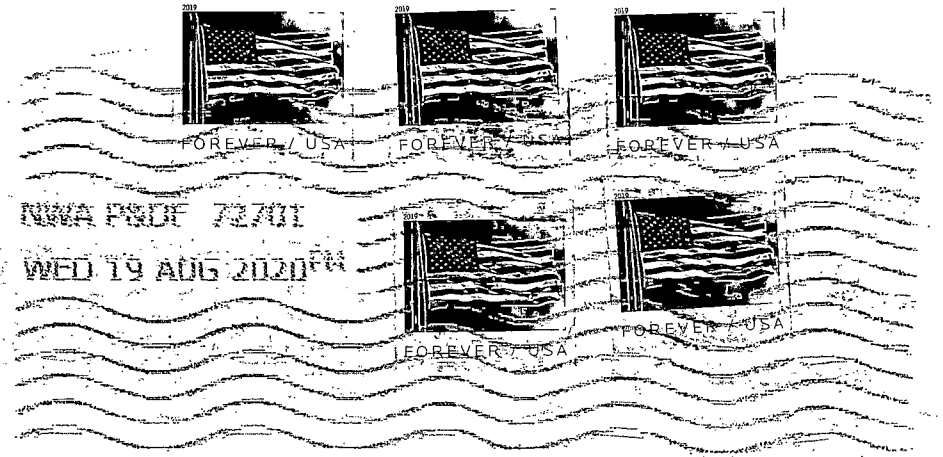
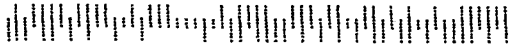
Corporate Office, Little Rock, Arkansas  
 501-221-2565

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 #: Quaterly						Fecal Coliform (43.1F)	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)	pH (23)	% Solids (62) <i>W</i>
Address: 6516 Mesa Street Fayetteville, AR 72704				Purchase Order #:												
Telephone: 479-790-3813				Sampler Name(s): <i>Tyler Wood Jr</i>												
Telephone:				and Signature(s):												
ESC Client Number: 1855																
Sample Identification		Sample Collection				Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
EFFLUENT	2007020090	7/16/20	12:30	GRAB	Water	Sterile	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				X	
EFFLUENT	↓	↓	↓	GRAB	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> pH<2	1			X	X	X		
EFFLUENT	↓	↓	↓	GRAB	Water	Glass	150 ml	none	0					X		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:		Used?	Intact?					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Tumaround:		Regular	Special					
Relinquished By: (Signature and Printed Name) <i>T. Perment Jr</i>		Date	Time	Received for Lab By: (Signature and Printed Name) <i>Darment...</i>		Date	Time	Were samples properly preserved:		Yes	No					
Comments:		FLOW DATA		Field Test		Time	Analyst	Result	Result	Units						
		Analyst:		pH:		1235	TWM	7.1	7.1							
		Time:		Temp.:						°C °F						
		Reading:		DO:												
		Units:		Debris:												
Cool all samples to 6 degrees C.						Chlorinated? Yes <i>No</i>			This Document is Page <i>2</i> of <i>2</i>							



 **NWA UTILITY SERVICES, INC**  
**PO Box 9299**  
**Fayetteville, AR 72703**

Arkansas Dept. of Energy and Environment  
Water Division Permits Branch  
5301 Northshore Drive  
North Little Rock, AR  
72118-5317