

**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


7/1/2019

MM/DD/YYYY

7/31/2019

**TREATED WASTEWATER EFFLUENT SAMPLING**

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.247427	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	8,586	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	13.6	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	> 1	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	8.06	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	43.4	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	35.2	mg/l		
Nitrate Nitrogen ( NO <sub>3</sub> -N) + Nitrite Nitrogen ( NO <sub>2</sub> -N)	REPORT	12.3	mg/l		
Plant Available Nitrogen (PAN)	REPORT	49.9	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
<b>TYPED OR PRINTED</b>			<b>DATE</b>
			8/9/2019

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

* LOADING RATE BY ZONE					
Zone 1	715.50	Zone 5	715.50	Zone 9	715.50
Zone 2	715.50	Zone 6	715.50	Zone 10	715.50
Zone 3	715.50	Zone 7	715.50	Zone 11	715.50
Zone 4	715.50	Zone 8	715.50	Zone 12	715.50

# 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: 1907020114  
 Customer Name : BETHEL OAKS UTILITY, LLC  
 Customer/Permit No. : 1855 / 4875-WR-3  
 Report Date : 07/26/19

Sample Date : 07/19/19  
 Sample Time : 1000  
 Sample Type : GRAB BETHEL OAKS  
 Sample From : EFFLUENT

Collected By: JEW  
 Delivery By : JEW  
 Work Order :  
 Purchase Order :

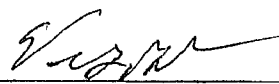
### Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
07/19	1200	TSB	Ammonia as N, (HACH 10205)	35.20 mg/L			SM 2011 4500-NH3 F	0.53	98.0 *
07/23	0900	TSB	Total Kjeldahl Nitrogen	43.4 mg/L			02/2014 HACH 10242	5.71	99.6 *
07/19	1000	JEW	pH	7.2 S.U.			SM 2011 4500-H+ B	0.00	N/A *
07/23	1200	TSB	Phosphorous, Total (as P)	8.060 mg/L			EPA 365.3	0.00	103.0 *
07/25	1200	TSB	Solids, Total Suspended	13.6 mg/L			SM 2011 2540 D	7.59	N/A *
07/19	1650	TSB	Fecal Coliform (MPN/100mL)	> 1.0 /100ml			06/2012 Colilert18	0.00	0.0 *
07/19	1500	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	6.87	88.0 *
07/23	0900	TSB	Nitrate + Nitrite	12.30 mg/L			01/2013 HACH 10206	1.20	97.0 *
07/23	1545	TSB	Nitrogen, Plant Available	49.9 mg/L			SM 1997 4500-N		

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

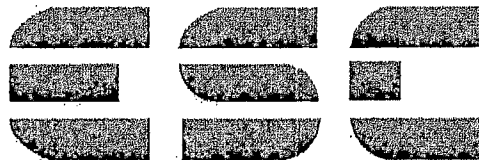
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of 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.

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 (43.1F)	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)
Address: 6516 Mesa Street Fayetteville, AR 72704						Purchase Order #:										
Telephone: 479-790-3813						Sampler Name(s): <i>James Wiltse James Wiltse</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	1907020114	7-19-19	1000	GRAB	Water	teflon	150 ml	none	1	X						
EFFLUENT				GRAB	Water	Whirlpak	125 ml	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?	Intact?					
<i>James Wiltse James Wiltse</i>		7-19-19	1130							<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular	Special					
										<input checked="" type="checkbox"/>	<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	No					
				<i>Amelia...</i>		7-19-19	1130			<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units				
						Analyst:	pH:	1000	YEW	7.2	7.2					
						Time:	Temp.:	1000	YEW	27.9	28.6	(C)	°F			
						Reading:	DO:									
						Units:	Debris:									
Cool all samples to 6 degrees C.						Chlorinated? Yes No			This Document is Page 1 of 1							