

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

**PERMITTEE NAME**

Bethel Oaks Property Owners Association Inc

**PERMITTEE ADDRESS**

12531 Bethel Oaks Dr  
Farmington AR 72730

**FACILITY NAME**

Bethel Oaks Subdivision

**FACILITY ADDRESS**

CR 62 Farmington AR

**PERMIT NO.**

4875-WR-3

**AFIN NO.**


72-01656

**WASTEWATER EFFLUENT MONITORING PERIOD**

MM/DD/YYYY		MM/DD/YYYY
6/1/2018		6/30/2018

**TREATED WASTEWATER EFFLUENT SAMPLING**

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.090307	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	3,427	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	12.4	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	10	colonies/100ml		
pH	6.0 - 9.0	7.3	s.u.		
Total Phosphorus (TP)	REPORT	6.9	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	No Report	mg/l		
Nitrate Nitrogen ( NO <sub>3</sub> -N) + Nitrite Nitrogen ( NO <sub>2</sub> -N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	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>
			7/2/2018

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

* LOADING RATE BY ZONE					
Zone 1	285.58	Zone 5	285.58	Zone 9	285.58
Zone 2	285.58	Zone 6	285.58	Zone 10	285.58
Zone 3	285.58	Zone 7	285.58	Zone 11	285.58
Zone 4	285.58	Zone 8	285.58	Zone 12	285.58

# 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: 1806020138  
 Customer Name : BETHEL OAKS UTILITY,LLC  
 Customer/Permit No. : 1855 / 4875-WR-3  
 Report Date : 06/22/18

Sample Date : 06/15/18  
 Sample Time : 1440  
 Sample Type : GRAB BETHEL OAKS  
 Sample From : EFFLUENT

Collected By: CS/JCB  
 Delivery By : JCB  
 Work Order :  
 Purchase Order :

### Laboratory Analysis

Analysis			Parameter	Result	Notes	Quantity	Method
06/15	1000	TSB	Nitrite Nitrogen	0.371 mg/L			06/2017 HACH 10207
06/15	1420	JCB	pH	7.3 S.U.			SM 2000 4500-H+ B
06/18	1200	TSB	Phosphorous, Total (as P)	6.9 mg/L			EPA 365.3
06/21	1200	TSB	Solids, Total Suspended	12.4 mg/L			SM 1997 2540 D
06/15	1655	CLS	Fecal Coliform	10 /100ml			06/2012 Colilert18
06/15	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B
06/19	1330	JCB	Solids, % Total by mass	0.033 %			SM 1997 2540 G
06/15	1420	JCB	Sample Collection/Travel	1 each			

### Quality Assurance

Precision	Accuracy
% RPD	% Recovery
5.83	107.3 *
0.00	N/A
2.11	109.0 *
12.05	N/A *
0.00	0.0 *
2.55	93.2 *
0.00	N/A

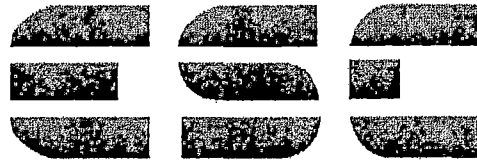
\* QA data shown is from a different sample or standard on the same date.

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

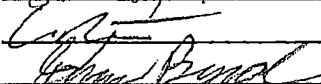
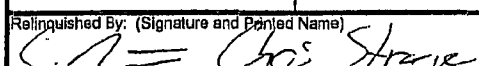
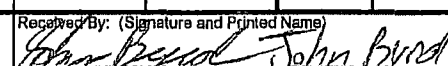
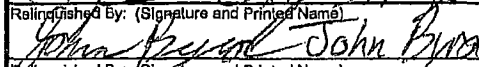
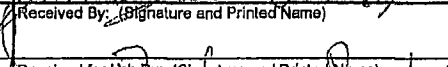
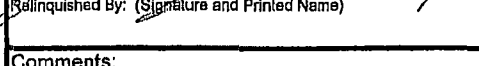



Corporate Office, Little Rock, Arkansas  
 501-221-2565

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)	BOD (3), TSS (28), % Solids (82)	T Phos (25)							
Address:		6516 Mesa Street Fayetteville, AR 72704		Purchase Order #:																
Telephone:		479-790-3813		Sampler Name(s):		Chris Stray														
Telephone:				and Signature(s):		John Byrd														
ESC Client Number: 1855																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
EFFLUENT	1806020138	6/15/18	1440	GRAB	Water	teflon	150 ml	none	1	x										
EFFLUENT	4	4	4	GRAB	Water	Whirlpak	125 ml	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	1		x									
EFFLUENT	4	4	4	GRAB	Water	Plastic	1 qt	none/ice	1			x								
EFFLUENT	4	4	4	GRAB	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , pH<2	1				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:												
 Chris Stray		6/15/18	730	 John Byrd		6/15/18	730	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:												
 John Byrd		6/15/18	1500	 John Byrd				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:												
 John Byrd				 James Brooks		6/15/18	1500	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
Comments:				FLOW DATA	Field Test	Time	Analyst	Result	Result	Units										
				Analyst:	pH:	1440	GS	7.3	7.3											
				Time:	Temp.:	4	V	28.1	28.1	°F										
				Reading:	DO:															
				Units:	Debris:															
Cool all samples to 6 degrees C.						Chlorinated? Yes No		This Document is Page 1 of 1												