

**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
11/1/2018

MM/DD/YYYY
11/30/2018

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.139132	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	7,950	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	4.1	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	13	colonies/100ml		
pH	6.0 - 9.0	7.6	s.u.		
Total Phosphorus (TP)	REPORT	6.33	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 (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER Ken Gregory	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.		TELEPHONE
			(479) 530-5926
TYPED OR PRINTED			DATE
			12/6/2018

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

* LOADING RATE BY ZONE					
Zone 1	662.50	Zone 5	662.50	Zone 9	662.50
Zone 2	662.50	Zone 6	662.50	Zone 10	662.50
Zone 3	662.50	Zone 7	662.50	Zone 11	662.50
Zone 4	662.50	Zone 8	662.50	Zone 12	662.50

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: 1811020129	Sample Date : 11/16/18	Collected By: JEW
Customer Name : BETHEL OAKS UTILITY,LLC	Sample Time : 0845	Delivery By : JEW
Customer/Permit No. : 1855 / 4875-WR-3	Sample Type : GRAB	Work Order :
Report Date : 11/26/18	Sample From : EFFLUENT	Purchase Order :

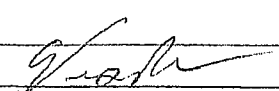
Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
								% RPD	% Recovery
11/16	0845	JEW	pH	7.6 S.U.			SM 2000 4500-H+ B	1.32	N/A
11/20	0915	TSB	Phosphorous, Total (as P)	6.330 mg/L			EPA 365.3	0.00	115.0 *
11/20	1100	TSB	Solids, Total Suspended	4.1 mg/L			SM 1997 2540 D	22.22	N/A *
11/16	1546	VLP	Fecal Coliform (MPN/100mL)	12.6 /100ml			06/2012 Colilert18	8.70	0.0
11/16	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	5.28	92.0 *
11/19	1520	TSB	Solids, % Total by mass	0.025 %			SM 1997 2540 G	8.00	N/A

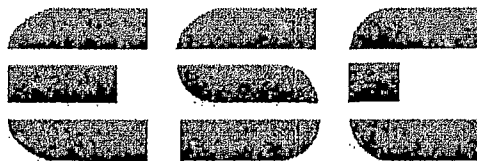
* QA data shown is from a different sample or standard on the same date.

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)	22	BOD (3), TSS (28)	T Phos (25), NH ₃ -N (15),	TKN (16C) NO ₃ +NO ₂ -N (91)	PAN (99.99)						
Address: 6516 Mesa Street Fayetteville, AR 72704					Purchase Order #:																
Telephone: 479-790-3813					Sampler Name(s): <i>James Wilton James Wilke</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	1811020129	11-16-18	0845	GRAB	Water	teflon	150 ml	none	1	X											
EFFLUENT	1	1	1	GRAB	Water	Whirlpak	125 ml	Na ₂ S ₂ O ₃	1		X										
EFFLUENT	1	1	1	GRAB	Water	Plastic	1 qt	none/ice	1		X										
EFFLUENT	1	1	1	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , 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:													
<i>James Wilke James Wilke</i>		11-16-18	1045	<i>James Wilke James Wilke</i>				Used? <input type="checkbox"/> Intact? <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:													
				<i>Damen Brooks Damen Brooks</i>				Regular <input 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:													
				<i>Damen Brooks Damen Brooks</i>		11-16-18	1045	Yes <input type="checkbox"/> No <input type="checkbox"/>													
Comments:					FLOW DATA		Field Test	Time	Analyst	Result	Result	Units									
					Analyst:		pH:	0845	<i>DLW</i>	7.6	7.5										
					Time:		Temp.:	8245	<i>DLW</i>	18.0	18.1 (°C)	°F									
					Reading:		DO:														
					Units:		Debris:														
Cool all samples to 6 degrees C.										Chlorinated? Yes No		This Document is Page __ of __									