

**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
10/1/2018	10/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING					
Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.10677	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	3,875	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	11	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	< 10	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	6.9	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	36.5	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	36	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	7	mg/l		
Plant Available Nitrogen (PAN)	REPORT	43.2	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.			TELEPHONE	
Ken Gregory				(479) 530-5926	
TYPED OR PRINTED				DATE	
				11/8/2018	
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)					

* LOADING RATE BY ZONE					
Zone 1	322.92	Zone 5	322.92	Zone 9	322.92
Zone 2	322.92	Zone 6	322.92	Zone 10	322.92
Zone 3	322.92	Zone 7	322.92	Zone 11	322.92
Zone 4	322.92	Zone 8	322.92	Zone 12	322.92

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: 1810020161
 Customer Name : BETHEL OAKS UTILITY, LLC
 Customer/Permit No. : 1855 / 4875-WR-3
 Report Date : 10/29/18

Sample Date : 10/19/18
 Sample Time : 0809
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: JW
 Delivery By : JW
 Work Order :
 Purchase Order :

Laboratory Analysis

<u>Analysis</u>						<u>Quality Assurance</u>			
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
10/19	1400	TSB	Ammonia as N, (HACH 10205)	36.00 mg/L			SM 2011 4500-NH3 F	3.58	106.0 *
10/23	0800	TSB	Total Kjeldahl Nitrogen	36.5 mg/L			02/2014 HACH 10242	2.67	97.0 *
10/19	0812	JW	pH	7.4 S.U.			SM 2000 4500-H+ B	0.00	N/A
10/22	1400	TSB	Phosphorous, Total (as P)	6.900 mg/L			EPA 365.3	1.59	108.0 *
10/24	1615	TSB	Solids, Total Suspended	11.0 mg/L			SM 1997 2540 D	3.92	N/A *
10/19	1527	VLP	Fecal Coliform (MPN/100mL)	< 10.0 /100ml			06/2012 Colilert18	0.00	0.0
10/19	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	5.33	97.0 *
10/26	1350	VLP	Solids, % Total by mass	0.039 %			SM 1997 2540 G	1.01	N/A *
10/23	1100	TSB	Nitrate + Nitrite	7.00 mg/L			01/2013 HACH 10206	1.65	102.0 *
10/23	1515	TSB	Nitrogen, Plant Available	43.2 mg/L			SM 1997 4500-N		
10/19		ESC	Sample Collection/Travel	1 each				0.00	0.0

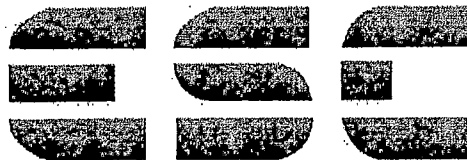
* QA data shown is from a different sample or standard on the same date.

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 ₃ -N (15),	TKN (16C) NO ₃ +NO ₂ -N (91)	PAN (99.99)	% Solids (82), NO ₂ (19)
Address: 6516 Mesa Street Fayetteville, AR 72704						Purchase Order #:											
Telephone: 479-790-3813						Sampler Name(s): James W. Hise											
Telephone:						and Signature(s): James W. Hise											
ESC Client Number: 1855																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
EFFLUENT	1816020161	10-19-18	08:29	GRAB	Water	teflon	150 ml	none	1	X							
EFFLUENT	I	I	I	GRAB	Water	Whirlpak	125 ml	Na ₂ S ₂ O ₃	1		X						
EFFLUENT	I	I	I	GRAB	Water	Plastic	1/2 Gallon	none/ice	1			X				X	
EFFLUENT	I	I	I	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:		Used?	Intact?					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround:		Regular	Special					
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:		Yes	No					
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units					
						Analyst:	pH:	08:12	JW	7.4	7.4	6 SU _F					
						Time:	Temp.:	08:12	Typ	21.0	21.0						
						Reading:	DO:										
						Units:	Debris:										
Cool all samples to 6 degrees C.									Chlorinated?	Yes	No	This Document is Page 1 of 1					

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