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

PERMITTEE NAME			FERENT)	****	PERMIT NO.		
Bethel Oaks Subdivisi	ion		Bethel Oaks Subdi	vision		4875-WR-1	
PERMITTEE ADDRE	ss		AFIN NO.				
PO Box 3008		WA Cou	FACILITY ADDR nty Hwy 62 at Bethel Blackt		on AR	72-01656	
Fort Smith AR 7290	1						
	-	WAS	TEWATER EFFLUENT MO	NITORING PER	IOD		
		MM/DD/YYYY			MM/DD/YYYY		
		3/1/2018			3/31/2018	ĺ	
REATED WASTEWATER EFFLU	ENT SAMPLING						
PARAMETER	-	Limit	Sample Measurement	UNITS	Monitoring	Reporting	
low, Monthly total		REPORT	0.080613	MGD			
low, daily maximum		REPORT	0.005012	MGD	1		
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	< 2 mg/l				
Total Suspended Solids (TSS)		15	15 mg/l				
Fecal Coliform Bacteria (FCB)		7,800	< 4	colonies/100ml			
рН		6.0 - 9.0	7.3	s.u.			
Total Phosphorus (TP)		REPORT	10.7 mg/l		Grab Sample once per month	Prior to the 15th of the	
Total Kjeldahl Nitrogen (TKN)		REPORT	42.8	mg/l		following Month	
Ammonia Nitrogen		REPORT	37.8	mg/l			
Nitrate Nitrogen ( NO3-N)		REPORT	2.73	mg/l ~			
litrite Nitrogen ( NO2-N)		REPORT	0.463	mg/l			
Plant Available Nitrogen (PAN)		REPORT	42.5	mg/l			
Total Solids		REPORT 0.045 Percentage (%)					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PE	NALTY OF LAW THAT I HAVE PERSONAL	LY EXAMINED AND AM WITH TH	E INFORMATION		TELEPHONE	DATE
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOSE	SPONSIBLE FOR	Kerenet I Server			
	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMITTI	ED INFORMATION IS TRUE, A	CCURATE, AND	SIGNATURE OF PRINCIPA		4/7/2018
Ken Gregory	COMPLETE. I AM AW	ARE THAT THERE ARE SIGNIFICANT PEN	IALTIES FOR SUBMITTING FALS	E INFORMATION,	EXECUTIVE OFFICER OR	5926	
TYPED OR PRINTED		SIBILITY OF FINE AND IMPRISONMENT.			AUTHORIZED AGENT		MM/DD/YYY
COMMENTS AND EXPLANATION	OF VIOLATIONS (Re	eference all attachments here)					

## 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: 1803020166

Customer Name : BETHEL OAKS UTILITY, LLC Customer/Permit No.: 1855 / 4875-WR-2

Report Date : 03/26/18

Sample Date : 03/16/18 Sample Time: 1320 Sample Type : GRAB

Sample From : EFFLUENT

Collected By: JCB Delivery By : JCB Work Order :

Purchase Order:

	Quality A	<u>Assurance</u>					
Analysis						Precision	Accuracy
Date Time By	<u>Parameter</u>	Result	Notes _	Quantity	Method	_ % RPD	% Recovery
03/16 1000 TSB	Ammonia Nitrogen	37.8 mg/L			SM 1997 4500-NH3 F	0.00	100.9 *
03/20 0830 TSB	Total Kjeldahl Nitrogen	42.8 mg/L			02/2014 HACH 10242	0.00	94.6 *
03/19 1300 TSB	Nitrate Nitrogen	2.73 mg/L		•	01/2013 HACH 10206	3.73	100.0 *
03/16 1500 TSB	Nitrite Nitrogen	0.463 mg/L			06/2017 HACH 10207	0.42	98.9
03/16 1320 JCB	рН	7.3 S.U.			SM 2000 4500-H+ B	0.00	N/A *
03/19 1300 CLS	Phosphorous, Total (as P)	10.7 mg/L			EPA 365.3	0.00	93.6 *
03/22 1558 AEU	Solids, Total Suspended	15.0 mg/L			SM 1997 2540 D	0.86	N/A *
03/16 1555 AEU	Coliform, Fecal	< 4 /100ml	•		SM 9222 D 1997	0.00	N/A
03/16 1400 TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	4.15	101.9 *
03/20 1550 AEU	Solids, % Total by mass	0.045 %			SM 1997 2540 G	22.22	N/A
03/20 1430 TSB	Nitrogen, Plant Available	42.5 mg/L			SM 1997 4500-N		
03/16 1320 JCB	Sample Collection/Travel	1 each					

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.

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

## 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

## **CHAIN OF CUSTODY**

Phone: 479-750-		Fax: 479-750-1172	GF	CHAIN OF CUSTODY														
Client Information				Project Information							Re	sted	Parameters					
Company Name; Bethel Oaks			Permit/Project #:							व								
Address:	1849 N. Trillium Lane			Purchase	Order #:						(16.					1		
Fayetteville, AR 72704												Ę	(19)		(g)		1	į
Telephone:		479-790-3813			Sampler Name(s): John Byrd				j	(18)	702		99.					
Telephone:	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · ·	1	han I	Beech			S.	1,(8)	43)	AN(	İ				
			······································		and Signar	and Signature(s):					1	5.A)	1)%	COLIFORM(43)	), P.			
ESC Client Num	nher:	1855			and Oigna	and Signature(s).							I S	ļ	(82			
		tification	T	Comple	Collection		Sample Containers			$\dashv_{\epsilon}$	S   E			ids				
ldentificati		<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	D-4-		Sample Collection		T	Volume	Preserva		# H(23)	P(25),NH <sub>3</sub> -N(15.A),N03(18),TKN(16.A)	CBOD(70),TSS(28),N02(19)		%50lids (82), PAN(99.99)			
·		ESC Control #	Date	Time	Туре	Matrix	Туре				$\neg \Gamma$	$\neg$	+	ш.	94			
	UENT	1803020166	3/16/18	1320	GRAB	Water	teflon	150 ml	none		1   2	<u> </u>	+	┼			$\dashv$	
	UENT				GRAB	Water	Plastic	8 oz	H₂SO₄,pH<2 1		1	×	┼	<del> </del>	-			
EFFLUENT				GRAB	Water	Plastic 1 qt none/ice			1		X	ــــ	×					
EFFLI	UENT		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		GRAB	Water	Whirlpak	125 ml	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		1		↓_	x				
				<del></del>					<u> </u>				$\perp$					
					Cool all samples to			6 degrees C	i.				<u> </u>					
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		***************************************				<u></u>		<b></b>			1	1	$\top$				$\neg \uparrow$	
Relinquisted By: (Signature and Printed Name) Date Time  Silvent Durch 3/16/18 1355		Received By: (Signature and Printed Name) Date Time					Custody Seals: Used? // Intact?											
Allow Buse 1355 Relinquished By 18 gnature and Printed Name)  Date Time			Received By: (Signature and Printed Name)				Date Time		Re	urnaround: egular Special								
Refinquished By: (Signature and Printed Name) Date Time						Time 135	5	Were samples proper			No							
Comments:							Field Test		Analyst		sult	Result Units						
								рН: Temp.:	1320	JCA		73 73			۴	-		
						Reading:		DO:		1		U. (F)		- CP				
						Units:		Debris:					$\prod$					
Cool all samples to 6 degrees C.						<u> </u>		Chlorinated	? Yes No	0	Tr	nis Do	cume	ent is	Par	٠ <u>۴</u>	of 1	