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

PERMITTEE NAME			PERMIT NO.				
Bethel Oaks Subdivision	on		4875-WR-1				
PERMITTEE ADDRES	ss	*,	AFIN NO.				
PO Box 3008		WA Co	FACILITY ADDRI unty Hwy 62 at Bethel Blackt	ومحمد فالمناطق والمراوي والمحمود المحمود المحمود والمحمود	n AR	72-01656	
Fort Smith AR 7290	ı						
		WAS	STEWATER EFFLUENT MO	NITORING PERI	OD		
		MM/DD/YYYY			MM/DD/YYYY		
		12/1/2017	12/31/2017				
TREATED WASTEWATER EFFLUI	ENT SAMPLING						
PARAMETER		Limit	Sample Measurement	UNITS	Monitoring	Reporting	
Flow, Monthly total		REPORT	0.087713	MGD	· · · · · · · · · · · · · · · · · · ·		•
Flow, daily maximum		REPORT	0.005178	MGD			
Carbonaceous Biochemical Oxygen Demand (CBOD5)		15	9.3	mg/l			
Total Suspended Solids (TSS)		15					
Fecal Coliform Bacteria (FCB)		7,800	< 4	colonies/100ml			
рН		6.0 - 9.0	7.4				
Total Phosphorus (TP)  Total Kjeldahl Nitrogen (TKN)  Ammonia Nitrogen  Nitrate Nitrogen ( NO3-N)		REPORT	7.3	mg/l	Grab Sample once per month	Prior to the 15th of the	
		REPORT	44.8	mg/l		following Month	
		REPORT	44.5	mg/l			
		REPORT	0.84	mg/l			
itrite Nitrogen ( NO2-N)		REPORT	0.655	mg/l			
Plant Available Nitrogen (PAN)		REPORT	46.1	mg/l	_		
Total Solids		REPORT	0.033	Percentage (%)			
Loading Rate		0.138		gpd/ft 2	Continuous		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PE	NALTY OF LAW THAT I HAVE PERSONA	ALLY EXAMINED AND AM WITH TH	E INFORMATION	19	TELEPHONE	DATE
	SUBMITTED HEREIN;	AND BASED ON MY INQUIRY OF THOS	Con Tel / sou	1 1			
-	OBTAINING THE INF	ORMATION, I BELIEVE THE SUBMIT	TED INFORMATION IS TRUE, A	SIGNATURE OF PRINCIPA	(479) 530-	1/9/2017	
Ken Gregory		ARE THAT THERE ARE SIGNIFICANT PE	EXECUTIVE OFFICER OR	5926			
TYPED OR PRINTED		BIBILITY OF FINE AND IMPRISONMENT.	AUTHORIZED AGENT		MM/DD/YYYY		
COMMENTS AND EXPLANATION		AUTHORIZED AGENT					
COMMENTS AND EXPLANATION	DE VIOLATIONS (RE	referice all attachments Here)				<del></del>	

## 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: 1712020152

Customer Name : GREENFIELD CAP DEV-BETHEL OAKS

Customer/Permit No.: 1855 / 4875-WR-2

Report Date : 12/22/17

Sample Date : 12/15/17

Sample Time : 1245 Sample Type : GRAB

Sample From : EFFLUENT

Collected By: JCB

Delivery By : JCB

Work Order:
Purchase Order:

•						
	Quality ?	Assurance				
Analysis					Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes	Quantity	Method	% RPD	% Recovery
	Ammonia Nitrogen	44.5 mg/L		SM 1997 4500-NH3 F	0.00	106.8 *
12/21 0830 TSB	Total Kjeldahl Nitrogen	44.8 mg/L		02/2014 HACH 10242	4.44	109.6 *
12/19 1400 TSB	Nitrate Nitrogen	0.84 mg/L		01/2013 HACH 10206	1.21	100.4 *
12/15 1400 TSB	Nitrite Nitrogen	0.655 mg/L		06/2017 HACH 10207	0.62	99.9
12/15 1245 JCB	рн	7.4 S.Ü.		SM 2000 4500-H+ B	1.36	N/A *
12/19 1100 TSB	Phosphorous, Total (as P)	7.3 mg/L		EPA 365.3	3.64	101.4 *
12/20 1200 AEU	Solids, Total Suspended	13.6 mg/L		SM 1997 2540 D	29.95	N/A *
12/15 1730 ЈСВ	Coliform, Fecal	< 4 /100ml		SM 9222 D 1997	0.00	N/A
12/15 1400 TSB	BOD, Carbonaceous	9.3 mg/L		SM 2001 5210 B	2.46	90.4 *
12/21 1111 JCB	Solids, % Total by mass	0.033 %	•	SM 1997 2540 G	3.39	N/A *
12/21 1445 TSB	Nitrogen, Plant Available	46.1 mg/L		SM 1997 4500-N		
12/15 1245 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: 479-750-1170	Fax: 479-750-1172		CI	HAIN C	OF CU	STO	DY											
- Client Information				Project Information						Requested				Par	ame	eters	;	
Company Name:	Bethel Oaks			Permit/Pro	Permit/Project #:							8						
Address:	1849 N. Trillium Lane			Purchase	Purchase Order #:							(16.	'					
	Fayetteville, AR 7	 2704	704		 		ı				1	¥	19)		(66			
Telephone:				Sampler Name(s):		Sah	Jahra Broad					(18),	102(		99.6			
Telephone:				Joannpier Hamo(e):		Orto	The Real				!	NO3	4(8	43)	ž			
i eleptione.			and Signature(s):			w Oge	v Oyac				P(25),NH3-N(15.A),N03(18),TKN(16.A)	CBOD(70),TSS(28),N02(19)	COLIFORM(43)	%Solids (82), PAN(99.99)				
ESC Client Number: 1855											N N	57,	9 R	(82)				
		~~~~~	0							<u>~</u>	ᇍ	02)	片	ds (				
Sample Identification		<del> </del>	<del>1 '' '' ''</del>	e Collection		_	<del>                                     </del>	Containers		pH(23)	25),1	1 1 2 1	8	Soli				
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva	itive	#	d	<u> </u>	<u> </u>	Ш.	%			
EFFLUENT	T 14202015Q	12/15/17	1245	GRAB	Water	teflon	150 ml	none		1	X		<u> </u>	<u> </u>	<u> </u>			
EFFLUENT	<u> </u>	<u> </u>		GRAB	Water	Plastic	8 oz	H₂SO₄,pH<2 1		1		х	<u> </u>	<u> </u>	ļ			
EFFLUENT				GRAB	Water	Plastic	1 qt	none/ice 1		1			х		х			
EFFLUENT	<u> </u>			GRAB	Water	Whirlpak	125 ml	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		1				х				
		1																
				Cool all samples to			6 degrees C	:.										
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		<del> </del>		<del> </del>		<del> </del>					-			<del></del>		$\vdash$	$\vdash$	$\neg$
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Religion is the By (Signature and Printed Name)    Discord   Signature   Signature and Printed Name)   Relinquished By (Signature and Printed Name)		12/15/17	1330		Received By: (Signature and Printed Name)		·		Time		Used'		11		Inta	ot?		
Keiludnisued ÅA;, (2:8uajnie aug 5:	rinted Name):	Date	Date Time					Date			Turna Regul	around lar		ſ	Spe	cial		j
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)  Richard Brown RICHARP BOWN 12/15/17 )		1330			samp	samples proper								
Comments:		7 :	Kithand	Kichard Brown Kicharp Prown (211) FLOW DATA Field Test Tin		12/15/17			Yes X Result Result		1	No						
Comments.							Field Test pH:	Time 1245	Analys ماسرسو	TCB 7.					Units			
					Time:		Temp.:	10(15)			Ta.		1:	7.9	<u>©</u>		°F.	
· · · · · · · · · · · · · · · · · · ·					Reading:		DO:						_					
Cool all samples to 6 degrees C.					Units:	· Paris / Paris / Communication	Debris: Chlorinated	l? Yes N			This	Doc	1 102 5	nt is	Bos		of	
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