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		4875-WR-1			
PERMITTEE ADDRESS PO Box 3008 Fort Smith AR 72901	WA Cou	AFIN NO. 72-01656			
	WAS]			
	MM/DD/YYYY			MM/DD/YYYY	1
	5/1/2017			5/31/2017	
REATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
low, Monthly total	REPORT	0.115229	MGD		
low, daily maximum	REPORT	0.00436	MGD		
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l		
otal Suspended Solids (TSS)	15	13.7	mg/l	1	*
ecal Coliform Bacteria (FCB)	7,800	< 4	colonies/100ml		
Н	6.0 - 9.0	7,3	s.u.		
otal Phosphorus (TP)	REPORT	7.6	mg/l	Grab Sample once per month	Prior to the 15th of the
otal Kjeldahi Nitrogen (TKN)	REPORT	42.1	mg/l		following Month
Ammonia Nitrogen	REPORT	40	ma/l	1	

REPORT

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REPORT

Nitrate Nitrogen (NO3-N)

Nitrite Nitrogen (NO2-N)

Total Solids

Plant Available Nitrogen (PAN)

Loading Rate	· · · · · · · · · · · · · · · · · · ·	0.138	See Attached	gpd/ft 2	Continuous			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	, III	VALTY OF LAW THAT I HAVE PERSONALLY		1.6	21 - 10	TELEPHONE	DATE	
	SUBMITTED HEREIN;	SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR Hometh Leyth						
	OBTAINING THE INF	OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND SIGNATURE OF PRINCIPAL						
Ken Gregory	COMPLETE. I AM AW	ARE THAT THERE ARE SIGNIFICANT PENAL	TIES FOR SUBMITTING FALS	E INFORMATION,	EXECUTIVE OFFICER OR	5926		
TYPED OR PRINTED	INCLUDING THE POSS	IBILITY OF FINE AND IMPRISONMENT.			AUTHORIZED AGENT		MM/DD/YYYY	
COMMENTS AND EXPLANATION	OF VIOLATIONS (Re	ference all attachments here)						

6,85

0.512

48

0.038

mg/l

mg/l

mg/l

Percentage (%)

Zone Identification	GPD/sq 2
Zone 1	363.33
Zone 2	363.33
Zone 3	363.33
Zone 4	363.33
Zone 5	363.33
Zone 6	363.33
Zone 7	363.33
Zone 8	363.33
Zone 9	363.33
Zone 10	363.33
Zone 11	363.33
Zone 12	363.33

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: 1705020171

Customer Name : GREENFIELD CAP DEV-BETHEL OAKS

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

Report Date : 05/23/17

Sample Date : 05/17/17

Sample Time : 0815 Sample Type : GRAB

Sample From : EFFLUENT

Collected By: AEU8 Delivery By : AEU

Work Order : Purchase Order :

Laboratory Analysis						Assurance
Analysis	•				Precision	Accuracy
Date Time By	Parameter	Result Note	es Quantity	Method	% RPD	% Recovery
05/17 1630 JCB	Ammonia Nitrogen	40.0 mg/L		SM 1997 4500-NH3 F	8.70	93.5 *
05/18 0830 TSB	Total Kjeldahl Nitrogen	42.10 mg/L		02/2014 HACH 10242	2.79	98.3 *
05/18 1550 TSB	Nitrate Nitrogen	6.85 mg/L		SM 2000 4500-NO3 E	0.34	101.7 *
05/17 1550 JCB	Nitrite Nitrogen	0.512 mg/L		SM 2000 4500 NO2 B	0.00	92.6 *
· · · · · · · · · · · · · · · · · · ·	На	7.3 S.U.		SM 2000 4500-H+ B	0.00	N/A *
05/18 1000 TSB	Phosphorous, Total (as P)	7.6 mg/L		EPA 365.3	0.00	103.2 *
05/22 1330 JCB	Solids, Total Suspended	13.7 mg/L		SM 1997 2540 D	5.13	A/N
05/17 1540 RHB	Coliform, Fecal	< 4 /100ml		SM 9222 D 1997	0.00	N/A *
05/17 1400 TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	11.54	108.1 *
05/18 1410 AEU	Solids, % Total by mass	0,038 %		SM 1997 2540 G	0.53	N/A *
05/18 1615 TSB	Nitrogen, Plant Available	48.0 mg/L		SM 1997 4500-N		
•	Sample Collection/Travel	1 each				

* 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

CHAIN OF CUSTODY

Phone: 479-750-1170	Fax: 479-750-1172										,					
Client Information				Project Information					Requested Parameters							
Company Name:	Bethel Oaks		Permit/Project #:					(A.)	,							
Address:	1849 N. Trillium Lane			Purchase Order #:					1	N(16						
Fayetteville, AR 72704			1						X.	2(19		99				
Telephone:			Sampler N	ame(s):	Amb	per Undruscos				3(18	<u> 22</u>		66)			
Telephone:					0//				N.(2	(28)	1(43	PAN(99.99)				
1000110110		and Signature(s):		Con	entered				15.A	158	N N					
ESC Client Number: 1855									P(25),NH ₃ -N(15.A),N03(18),TKN(16.A)	CBOD(70),TSS(28),N02(19)	COLIFORM(43)	%Solids (82),				
Sample Ide	entification		Sample	Collection			Sample Containers			[23]	5),N	ig l	8	olio		
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preservative #		Ĭ	P(2	CB	ш	%		
EFFLUENT	1705020171	3/17/17	0815	GRAB	Water	teflon	150 ml	none	1	х						
EFFLUENT	1	1	1	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ ,pH<	2 1	<u> </u>	х					
EFFLUENT				GRAB	Water	Plastic	Plastic 1 qt none/ice 1				х		х			
EFFLUENT				GRAB	Water	Whirlpak	125 ml	Na ₂ S ₂ O ₃ 1					х			
						Cool all samples to 6 degrees C.										
										<u> </u>						
//	7															
Relingulariad By: (Signatura and Printed Name) Date Time 5/7/17 1050		1050	Received By: (Signature and Printed Name)			Date	Time	Custody Seals: Used?								
Relinguished By: (Signature and Printed Name) AMUS UNDOWNESS ST717 1050 Relinguished By: (Signature and Printed Name)		Time	Received By: (Signature and Printed Name)		d Name)		Date	Time		urnaround:			-			
		District Control of District Control		, 	Date Time		Regular X Were samples proper		roperly	Special ly preserved:						
Relinquished By: (Signature and Printed Name) Date Time		Received for half By: (\$ignature and Printed Name		revativ	200	31911	1050		Yes X		1	No				
Comments:				FLOW D	ATA	Field Test	Time	Analyst	Result 7.3		Rès	1	المستوار والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج			
					Analyst: Time:		pH; Temp.:	0817	AEU	20					°F	
					Reading:		DO:									
					Units:		Debris:									
Cool all samples to 6 degrees C.							Chlorinated? Yes No This Document is Page 1 of 1					of 1				