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

PERMITTEE ADDRESS PO Box 3008 Fort Smith AR 72901 TREATED WASTEWATER EFFLUENT SAMPI PARAMETER Flow, Monthly total Flow, daily maximum Carbonaceous Blochemical Oxygen Demand (CBC)			FACILITY ADDR unty Hwy 62 at Bethel Black STEWATER EFFLUENT MC Sample Measurement 0.163153	ESS top Rd Farmington		4875-WR-1 AFIN NO. 72-01656 Reporting	
PO Box 3008 Fort Smith AR 72901 TREATED WASTEWATER EFFLUENT SAMPI PARAMETER Flow, Monthly total Flow, daily maximum		WA MM/DD/YYYY 2/1/2017 Limit REPORT	STEWATER EFFLUENT MC	ONITORING PERIO	DD MM/DD/YYYY 2/28/2017	72-01656	
PO Box 3008 Fort Smith AR 72901 TREATED WASTEWATER EFFLUENT SAMP PARAMETER Flow, Monthly total Flow, daily maximum		WA MM/DD/YYYY 2/1/2017 Limit REPORT	STEWATER EFFLUENT MC	ONITORING PERIO	DD MM/DD/YYYY 2/28/2017	72-01656	
TREATED WASTEWATER EFFLUENT SAMP PARAMETER Flow, Monthly total Flow, daily maximum		WA MM/DD/YYYY 2/1/2017 Limit REPORT	STEWATER EFFLUENT MO	UNITS	DD MM/DD/YYYY 2/28/2017	Reporting	
PARAMETER Flow, Monthly total Flow, daily maximum		MM/DD/YYYY 2/1/2017 Limit REPORT	Sample Measurement	UNITS	MM/DD/YYYY 2/28/2017	Reporting	
PARAMETER Flow, Monthly total Flow, daily maximum		2/1/2017 Limit REPORT			2/28/2017	Reporting	
PARAMETER Flow, Monthly total Flow, daily maximum		Limit REPORT				Reporting	
PARAMETER Flow, Monthly total Flow, daily maximum		REPORT			Monitoring	Reporting	
Flow, Monthly total Flow, daily maximum	D5)	REPORT			Monitoring	Reporting	
Flow, daily maximum	D5)		0.163153	MGD			
	D5)	REPORT		I WICE	l .		•
Carbonaceous Biochemical Oxygen Demand (CBC	D5)		0.007415	MGD			
	,	15	< 2	mg/l			
Total Suspended Solids (TSS)		15	22.7	mg/l			
Fecal Coliform Bacteria (FCB) pH		7,800	< 10	colonies/100ml			
		6.0 - 9.0	7.4	s.u.			
Total Phosphorus (TP)		REPORT	7.9	mg/l	Grab Sample once per month	Prior to the 15th of the	
Total Kjeldahi Nitrogen (TKN) Ammonia Nitrogen Nitrate Nitrogen (NO3-N)		REPORT	48.16	mg/l		following Month	
		REPORT	46.2	mg/l mg/l			
		REPORT	3,02				
Nitrite Nitrogen (NO2-N)		REPORT 0.386 mg/l					
Plant Available Nitrogen (PAN)		REPORT	50.2	mg/l			
Total Solids		REPORT	0.036	Percentage (%)			
Loading Rate		0.138	See Attached	gpd/ft 2	Continuous		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY	UNDER PENALT	Y OF LAW THAT I HAVE PERSONA	ALLY EXAMINED AND AM WITH TH	HE INFORMATION	h 1 D	TELEPHONE	DATE
SUBMITTE	D HEREIN; AND	BASED ON MY INQUIRY OF THOS	E INDIVIDUALS IMMEDIATELY RE	SPONSIBLE FOR	Com all News	اسروسه	
OBTAINING	THE INFORMA	ATION, I BELIEVE THE SUBMIT	TED INFORMATION IS TRUE, A	ACCURATE, AND	SIGNATURE OF PRINCIPAL	(479) 530-	3/14/2017
Ken Gregory COMPLETI	E. I AM AWARE	THAT THERE ARE SIGNIFICANT PE	EXECUTIVE OFFICER OR	5926			
TYPED OF PRINTED		TY OF FINE AND IMPRISONMENT.			AUTHORIZED AGENT		MM/DD/YYYY
INCLUDING COMMENTS AND EXPLANATION OF VIOLATION			e have increased the recycle	rate in treatment of		to Primary Settling Tank	
We will monitor and adjust as needed to lower			o navo morcasca mo recycle	rate in incutinent p	Marit to remove more solids back	Co Timary Cetting Talik	

BETHEL OAKS LOADING RATES Feb	2017, 7,415 Max Daily Flow						
Zone Identification	GPD/sq 2						
Zone 1	618						
Zone 2	618						
Zone 3	618						
Zone 4	618						
Zone 5	618						
Zone 6	618						
Zone 7	618						
Zone 8	618						
Zone 9	618						
Zone 10	618						
Zone 11	618						
Zone 12	618						

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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: 1702020188

Customer Name : GREENFIELD CAP DEV-BETHEL OAKS

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

Report Date : 02/24/17

Sample Date : 02/15/17

Sample Time : 0835 Sample Type : GRAB

Sample From : EFFLUENT

Collected By: JCB Delivery By : JCB

Work Order : Purchase Order :

	Quality 1	<u>lssurance</u>					
Analysis	•					Precision	Accuracy
<u>Date Time By</u>	Parameter		Notes _	Quantity	<u> Method</u>	% RPD	% Recovery
02/15 1520 TSB	Ammonia Nitrogen	46.2 mg/L			SM 1997 4500-NH3 F	0.00	99.6 *
02/23 0800 TSB	Kjeldahl Nitrogen Total	48.16 mg/L			SM 1997 4500-NorgB	1.23	99.6 *
02/21 0900 TSB	Nitrate Nitrogen	3.02 mg/L			SM 2000 4500-NO3 E	0.83	98.6 *
02/15 1535 TSB	Nitrite Nitrogen	0.386 mg/L		•	SM 2000 4500 NO2 B	0.58	102.7 *
02/15 0835 JCB	рн	7.4 S.U.			SM 2000 4500-H+ B	0.00	N/A *
. 02/21 0800 TSB	Phosphorous, Total (as P)	7.9 mg/L		•	EPA 365.3	1.90	100.0 *
02/17 1234 AEU	Solids, Total Suspended	22.7 mg/L	(b)		SM 1997 2540 D	20.00	N/A *
02/16 1450 JCB	Coliform, Fecal	< 10 /100ml			SM 9222 D 1997	55.5 ⁶	N/A *
02/15 1400 AEU	BOD, Carbonaceous	< 2.0 mg/L		•	SM 2001 5210 B	4.19	100.9 *
02/16 0830 TSB	Solids, % Total by mass	0.036 %			SM 1997 2540 G	0.35	N/A *
02/24 1000 TSB	Nitrogen, Plant Available	50.2 mg/L			SM 1997 4500-N		•••
02/15 0835 JCB	Sample Collection/Travel	1 each		•	· i		

(b) Exceeds Permit Limits for Maximum Concentration

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.

^{*} 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		Cr	IAIN C)F CU	510	DY											
Client Information				Project Information								Rec	ues	sted	Par	ame	eters		
Company Name: Bethel Oaks			Permit/Project #:							ĺ	8	Π	· ·		,				
Address: 1849 N. Trillium Lane Fayetteville, AR 72704				Purchase Order #:								(16.							
					j				 				<u>\$</u>	9		6			
			Sampler Name(s): John Burd							P(25),NH3-N(15-A),N03(18),TKN(16.A)	CBOD(70),TSS(28),ND2(19)		%Solids (82), PAN(99.99)	İ					
· -				Complet Rame(s).							23	8 N	8	5)N					
Telephone:				 :	- Sun Brut -								\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	82	M(4	PA			•
					and Signature(s):								(15	E,	OR	32),			
ESC Client Nu		1855	· · · · · · · · · · · · · · · · · · ·		<u> </u>		· · · · · · · · · · · · · · · · · · ·					T.	lĝ.	COLIFORM(43)	}) SI	ĺ	1		
San	nple Iden	tification		Sample	Collection		Sample C			rs			N'(S	8	ဂွ	픙			
Identifica	tion	ESC Control #	Date	Date Time		Matrix	Туре	Volume	Preserva	ative	#	pH(23)	P(2	8	II.	% S			
EFFI	LUENT	1702020188	2/15/17	0835	GRAB	Water	teflon	150 ml	none		1	X							
EFF	LUENT)		GRAB	Water	Plastic	8 oz	H₂SO₄,pH<	2	1		Х						-
EFFLUENT /				GRAB	Water	Plastic	1 qt	none/ice		1			х		х	,		'1	
EFFLUENT				GRAB	Water	Whirlpak	125 ml	Na ₂ S ₂ O ₃		1				х	•	\neg			
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Relipquished By: Ungna	iture and Printed	Name)	/ Date	. Time	Received By: (Si	gnature and Printe	d Name)		Date	, Time	7	Custo	ody Se	als:			<u>- </u>		
Your Oll	enter C	tshin blira	215/17	1045		•					Used		·						
Belinquished Bu (Signature and Printed Name)		Date	Time	Received By: (Sig	ignature and Printed Name)			Date	•mlT ·		Turna Regul	around to:	×	 i	Spec	ioi F	$\overline{}$		
		Received for Lab By: (Signature and Printed		Printed Name	Printed Name)//		1045					operly				\dashv			
				amusul						Yes	X	<u>a </u>		No	ユ	_			
Comments:				·	FLOW DATA		Field Test pH:	Time	Analys	_	Result			Result Units		127	4		
								2000	148				7.4		* ***		ᅱ		
					Reading:		Temp.: DO:			一	 -	-		7			 -	ᅱ	
					Units:		Debris:			⋾									
Cool all samples to 6 degrees C.							Chlorinated	? Yes N	0		This	Doc	ume	nt is	Page	Į.	of <u></u>		

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