

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

PERMITTEE NAME
Bethel Oaks Property Owners Association Inc

FACILITY NAME
Bethel Oaks Subdivision

PERMIT NO.
4875-WR-3

PERMITTEE ADDRESS
12531 Bethel Oaks Dr Farmington AR 72730

FACILITY ADDRESS
CR 62 Farmington AR

AFIN NO.
72-01656

WASTEWATER EFFLUENT MONITORING PERIOD		
MM/DD/YYYY		MM/DD/YYYY
9/1/2019		9/30/2019

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.274752	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.09876	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	14.4	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	1	colonies/100ml		
pH	6.0 - 9.0	7.2	s.u.		
Total Phosphorus (TP)	REPORT	7.28	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	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.	SIGNATURE OF COGNIZANT OFFICIAL	TELEPHONE
			(479) 530-5926
TYPED OR PRINTED			DATE
			10/14/2019

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

* LOADING RATE BY ZONE					
Zone 1	0.01	Zone 5	0.01	Zone 9	0.01
Zone 2	0.01	Zone 6	0.01	Zone 10	0.01
Zone 3	0.01	Zone 7	0.01	Zone 11	0.01
Zone 4	0.01	Zone 8	0.01	Zone 12	0.01

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: 1909020091

Sample Date : 09/20/19

Collected By: JEW

Customer Name : BETHEL OAKS UTILITY, LLC

Sample Time : 0900

Delivery By : JEW

Customer/Permit No. : 1855 / 4875-WR-3

Sample Type : GRAB

Work Order :

Report Date : 09/30/19

Sample From : EFFLUENT

Purchase Order :

Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
09/20	0900	JEW	pH	7.2	S.U.		SM 2011 4500-H+ B	0.00	N/A
09/23	1345	TSB	Phosphorous, Total (as P)	7.280	mg/L		EPA 365.3	0.91	109.0 *
09/24	1505	TSB	Solids, Total Suspended	14.4	mg/L		SM 2011 2540 D	1.12	N/A *
09/20	1123	JEW	Fecal Coliform (MPN/100mL)	1.0	/100ml		06/2012 Colilert18	0.00	0.0 *
09/20	1200	TSB	BOD, Carbonaceous	< 2.0	mg/L		SM 2001 5210 B	0.87	93.1 *
09/24	1352	TSB	Solids, % Total by mass	0.039	%		SM 1997 2540 G	0.00	N/A

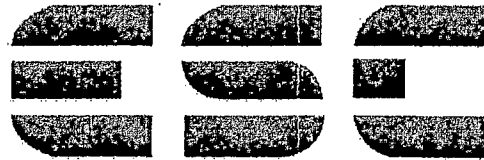
* QA data shown is from a different sample or standard on the same date.

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

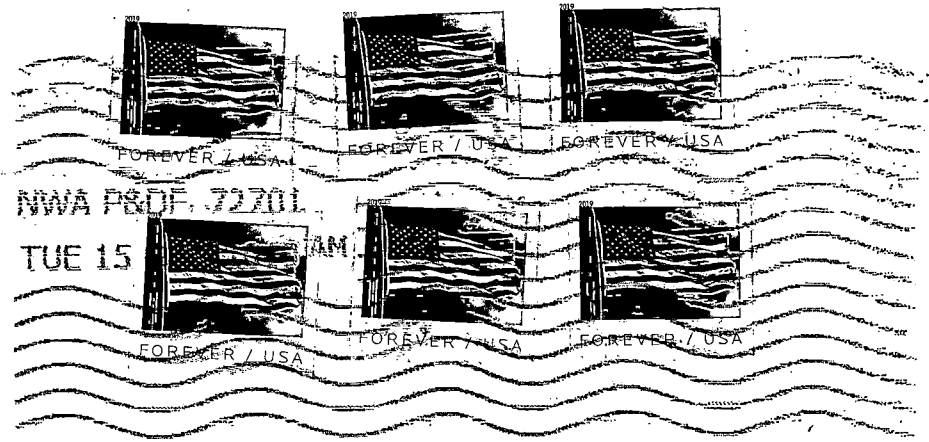
Phone: 479-750-1170 Fax: 479-750-1172

CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters														
Company Name: Bethel Oaks Utility, LLC						Permit/Project #:					pH (23)	Fecal Coliform (43.IF)	CBOD (70), TSS (28), % Solids (82)												
Address: 6516 Mesa Street						Purchase Order #:																			
Fayetteville, AR 72704						Sampler Name(s): <i>Jones With, James Withse</i>																			
Telephone: 479-790-3813						and Signature(s):																			
Telephone:																									
ESC Client Number: 1855																									
Sample Identification		Sample Collection				Sample Containers				pH (23)	Fecal Coliform (43.IF)	CBOD (70), TSS (28), % Solids (82)													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#																
EFFLUENT	1909020091	9-20-19	0900	GRAB	Water	teflon	150 ml	none	1	X															
EFFLUENT				GRAB	Water	Whirlpak	100 ml	Na ₂ S ₂ O ₃	1		X														
EFFLUENT				GRAB	Water	Plastic	1 qt	none/ice	1			X													
EFFLUENT				GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1						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? <input checked="" type="checkbox"/>		Intact? <input type="checkbox"/>													
<i>Jones With, James Withse</i>		9-20-19	1020					Turnaround:		Regular <input checked="" type="checkbox"/>		Special <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>													
				<i>Jamen Broder, Jamen Broder</i>		9-20-19	1020																		
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time																		
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units													
						Analyst:	pH:	0900	<i>CEW</i>	7.2	7.2	°F													
						Time:	Temp.:	0900	<i>CEW</i>	24.6	24.6														
						Reading:	DO:																		
						Units:	Debris:																		
Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page <u>1</u> of <u>1</u>															

NWA Utility Service
PO BOX 9299
Fayetteville, AR

72703



ADEQ
Water Division
Permits Branch
5301 Northshore Drive
N. Little Rock, AR

72118-5317