

**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
9/1/2018	9/30/2018

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.162492	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	7,572	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	13.4	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	14.3	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	> 24196	colonies/100ml		
pH	6.0 - 9.0	7	s.u.		
Total Phosphorus (TP)	REPORT	7.72	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 (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER Ken Gregory	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.		TELEPHONE
			(479) 530-5926
TYPED OR PRINTED			DATE
			10/11/2018

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here) We feel the higher fecal was from excess post treatment sludge that had time to repopulate the fecal numbers. We are looking at recycle rates and possibly pumping sludge from final settling tank back to Primary Settling tank at front of plant. We will monitor conditions.

*** LOADING RATE BY ZONE**

Zone 1	631.00	Zone 5	631.00	Zone 9	631.00
Zone 2	631.00	Zone 6	631.00	Zone 10	631.00
Zone 3	631.00	Zone 7	631.00	Zone 11	631.00
Zone 4	631.00	Zone 8	631.00	Zone 12	631.00

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: 1809020133
 Customer Name : BETHEL OAKS UTILITY,LLC
 Customer/Permit No. : 1855 / 4875-WR-3
 Report Date : 09/28/18

Sample Date : 09/21/18
 Sample Time : 1015
 Sample Type : GRAB BETHEL OAKS
 Sample From : EFFLUENT

Collected By: VLP
 Delivery By : VL
 Work Order :
 Purchase Order :

Laboratory Analysis

Laboratory Analysis							Quality Assurance	
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By	Parameter				% RPD	% Recovery
09/21	1435	TSB	Nitrite Nitrogen	2.310 mg/L		06/2017 HACH 10207	4.38	111.0
09/21	0917	VLP	pH	7.0 S.U.		SM 2000 4500-H+ B		
09/25	1230	TSB	Phosphorous, Total (as P)	7.720 mg/L		EPA 365.3	0.59	106.0 *
09/24	1415	TSB	Solids, Total Suspended	14.3 mg/L		SM 1997 2540 D	3.70	N/A *
09/21	1630	TSB	Fecal Coliform	> 24196.0 /100ml		06/2012 Colilert18	0.00	0.0 *
09/21	1400	TSB	BOD, Carbonaceous	13.4 mg/L		SM 2001 5210 B	4.00	112.0 *
09/27	1342	TSB	Solids, % Total by mass	0.029 %		SM 1997 2540 G	0.00	N/A
09/12	1015	VLP	Sample Collection/Travel	1 each				

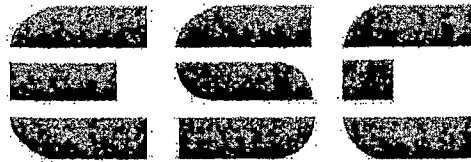
* QA data shown is from a different sample or standard on the same date.

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

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)	BOD (3), TSS (28), % Solids (82)	NO2 (19)	T Phos (25)						
Address: 6516 Mesa Street						Purchase Order #:															
Fayetteville, AR 72704						Sampler Name(s): V.L. PATE															
Telephone: 479-790-3813						and Signature(s): <i>[Signature]</i>															
Telephone:																					
ESC Client Number: 1855																					
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
EFFLUENT	1809020133	9/21/18	1015	GRAB	Water	teflon	150 ml	none	1	x											
EFFLUENT				GRAB	Water	Whirlpak	125 ml	Na ₂ S ₂ O ₃	1		x										
EFFLUENT				GRAB	Water	Plastic	1 qt	none/ice	1			x	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 type="checkbox"/>		Intact? <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:		Regular <input type="checkbox"/>		Special <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:		Yes <input type="checkbox"/>		No <input type="checkbox"/>									
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units									
						Analyst:	pH:	0919	VP	6.8	7.0										
						Time:	Temp.:			290	7.0	(C)									
						Reading:	DO:			200											
						Units:	Debris:														
Cool all samples to 6 degrees C.										Chlorinated? Yes No		This Document is Page ___ of ___									

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