

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

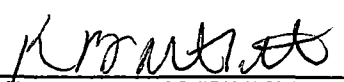
PERMITTEE NAME
Bethel Oaks Property Owners Association Inc
PERMITTEE ADDRESS
12531 Bethel Oaks Dr Farmington AR 72730

FACILITY NAME
Bethel Oaks Subdivision
FACILITY ADDRESS
CR 62 Farmington AR

PERMIT NO.
4875-WR-3
AFIN NO.
72-01656

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
4/1/2021	4/31/2021

TREATED WASTEWATER EFFLUENT SAMPLING					
Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.259,022	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, dally maximum *	REPORT	0.011904	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	23.5	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	< 5.0	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	8.37	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	55.2	mg/l		
Ammonia Nitrogen	REPORT	46.8	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	6.08	mg/l		
Plant Available Nitrogen (PAN)	REPORT	55.4	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
			5/14/2021

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

* LOADING RATE BY ZONE					
Zone 1	992	Zone 5	992	Zone 9	992
Zone 2	992	Zone 6	992	Zone 10	992
Zone 3	992	Zone 7	992	Zone 11	992
Zone 4	992	Zone 8	992	Zone 12	992

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: 2104020062
 Customer Name : BETHEL OAKS UTILITY, LLC
 Customer/Permit No. : 1855 / 4875-WR-3
 Report Date : 04/30/21

Sample Date : 04/22/21
 Sample Time : 1411
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: HNS
 Delivery By : HNS
 Work Order :
 Purchase Order :

Laboratory Analysis

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
04/26	1250	HNS	Ammonia as N, (HACH 10205)	46.80 mg/L			SM 2011 4500-NH3 F	2.87	100.0 *
04/30	1000	TWM	Total Kjeldahl Nitrogen	55.2 mg/L			02/2014 HACH 10242	0.68	101.0
04/22	1414	HNS	pH	7.4 S.U.			SM 2011 4500-H+ B	0.00	N/A *
04/26	1130	HNS	Phosphorous, Total (as P)	8.37 mg/L			EPA 365.3	2.74	101.0 *
04/26	1050	HNS	Solids, Total Suspended	23.5 mg/L			SM 2011 2540 D	66.67	N/A *
04/22	1645	HNS	Fecal Coliform (MPN/100mL)	< 5.0 /100mL			06/2012 Colilert18	1.94	N/A *
04/22	1745	NTR	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	33.96	105.3 *
04/26	1340	HNS	Nitrate + Nitrite	6.08 mg/L			01/2013 HACH 10206	2.02	101.0 *
04/30	1330	TWM	Nitrogen, Plant Available	55.4 mg/L			SM 1997 4500-N		

* 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.

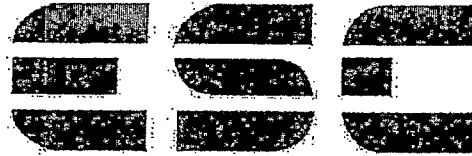
Signature _____

Environmental Services Co., Inc.

259072 11904

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Environmental Services Company, Inc.
 Northwest Arkansas
 1107 Century Street
 Springdale, Arkansas 72762
 website: www.esclabs.com



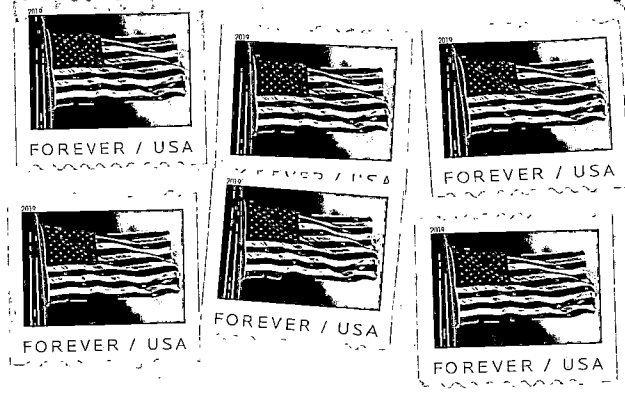
Corporate Office, Little Rock, Arkansas
 501-221-2565


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 #:			Sampler Name(s): <u>Hayden Smith</u> and Signature(s): <u>Hayden Smith</u>					T Phos (25)	Fecal Coliform (43.1F)	CBOD (70), TSS (28)	pH (23)							
Address: 6516 Mesa Street			Purchase Order #:																		
Fayetteville, AR 72704																					
Telephone: 479-790-3813																					
Telephone:						ESC Client Number: 1855															
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
EFFLUENT	2104020062	4/22/21	1411	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1	X											
EFFLUENT	↓	↓	↓	GRAB	Water	Sterile	100 ml	Na ₂ S ₂ O ₃	1		X										
EFFLUENT	↓	↓	↓	GRAB	Water	Plastic	1 qt	none/ice	1			X									
EFFLUENT	↓	↓	↓	GRAB	Water	Glass	150 ml	none	0				X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? <input type="checkbox"/> N <input type="checkbox"/> Intact? <input type="checkbox"/>													
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Turnaround: Regular <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/>													
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units									
						Analyst:	pH:	1414	HNS	7.4	7.4										
						Time:	Temp.:					°C	°F								
						Reading:	DO:														
						Units:	Debris:														
HNS Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1											



 **NWA Utility Services Inc**
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
5301 Northshore Drive
N Little Rock, AR 72118-5317